

# INSTALLATION RESTORATION PROGRAM

## PRELIMINARY ASSESSMENT/ SITE INSPECTION REPORT

### VOLUME II APPENDICES A-D

104th AIR CONTROL SQUADRON  
COOS HEAD AIR NATIONAL GUARD STATION  
OREGON AIR NATIONAL GUARD  
COOS BAY, OREGON

NOVEMBER 1995



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# REPORT DOCUMENTATION PAGE

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| 13. ABSTRACT (Maximum 200 words)<br>The Preliminary Assessment involved interviewing Coos Head employees (current & former) to determine the extent of use and disposal of hazardous materials + waste. The Site Investigation involved field investigation of areas determined to be of concern due to use and disposal of hazardous materials/wastes. Two areas of concern will further be investigated (AOC C+K). |   |  |                            |   |  |
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# **INSTALLATION RESTORATION PROGRAM**

## **PRELIMINARY ASSESSMENT/ SITE INSPECTION REPORT**

### **VOLUME II APPENDICES A-D**

**104th AIR CONTROL SQUADRON  
COOS HEAD AIR NATIONAL GUARD STATION  
OREGON AIR NATIONAL GUARD  
COOS BAY, OREGON**

**NOVEMBER 1995**

*Prepared For*  
**HQ ANG/CEVR  
ANDREWS AFB, MARYLAND**

*Prepared By* **DTIC QUALITY INSPECTED 3**  
**Operational Technologies Corporation  
4100 N.W. Loop 410, Suite 230  
San Antonio, Texas 78229-4253  
(210) 731-0000**

**APPENDIX A**  
**SOIL VAPOR SURVEY RESULTS**

AIR NATIONAL GUARD PROJECT  
Coos Bay, Oregon  
Operational Technologies Corporation, Inc.

Specific Halogenated Hydrocarbons and BTEX (Mod. EPA 8010/8020); Total Petroleum Hydrocarbons in Soil Vapor

| Sample-Number         | MDL  | Method<br>Blank  | OWD-01           | OWD-02           | OWD-03           | OWD-04           | OWD-05           |
|-----------------------|------|------------------|------------------|------------------|------------------|------------------|------------------|
| Date                  |      | 11/03/94<br>ppmv | 11/03/94<br>ppmv | 11/03/94<br>ppmv | 11/03/94<br>ppmv | 11/03/94<br>ppmv | 11/03/94<br>ppmv |
| 1,1 Dichloroethene    | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,2 Dichloroethene    | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Benzene               | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Trichloroethene       | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Toluene               | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Cis Dichloropropene   | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Trans Dichloropropene | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Tetrachloroethene     | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Chlorobenzene         | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Ethylbenzene          | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Total Xylenes         | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,3 Dichlorobenzene   | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,4 Dichlorobenzene   | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,2 Dichlorobenzene   | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,1 Dichloroethane    | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,2 Dichloroethane    | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Chloroform            | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Carbon Tetrachloride  | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| 1,1,1 Trichloroethane | 0.01 | nd               | nd               | nd               | nd               | nd               | 0.85             |
| 1,1,2 Trichloroethane | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| Tetrachloroethane     | 0.01 | nd               | nd               | nd               | nd               | nd               | nd               |
| TPH                   | 1    | nd               | 3                | nd               | 9                | 3                | 2                |
| Methane               | 1    | 5                | 17               | 1                | 68               | 18               | 15               |

"nd" Indicates Not Detected at the listed detection limit.

"int" Indicates that interference peaks prevent determination.

AIR NATIONAL GUARD PROJECT  
Coos Bay, Oregon  
Operational Technologies Corporation, Inc.

Specific Halogenated Hydrocarbons and BTEX (Mod. EPA 8010/8020); Total Petroleum Hydrocarbons in Soil Vapor

| Sample-Number         | MDL  | OWD-05<br>Dup    | OWD-06           |
|-----------------------|------|------------------|------------------|
| Date                  |      | 11/03/94<br>ppmv | 11/03/94<br>ppmv |
| 1,1 Dichloroethene    | 0.01 | nd               | nd               |
| 1,2 Dichloroethene    | 0.01 | nd               | nd               |
| Benzene               | 0.01 | nd               | nd               |
| Trichloroethene       | 0.01 | nd               | nd               |
| Toluene               | 0.01 | nd               | nd               |
| Cis Dichloropropene   | 0.01 | nd               | nd               |
| Trans Dichloropropene | 0.01 | nd               | nd               |
| Tetrachloroethene     | 0.01 | nd               | nd               |
| Chlorobenzene         | 0.01 | nd               | nd               |
| Ethylbenzene          | 0.01 | nd               | nd               |
| Total Xylenes         | 0.01 | nd               | nd               |
| 1,3 Dichlorobenzene   | 0.01 | nd               | nd               |
| 1,4 Dichlorobenzene   | 0.01 | nd               | nd               |
| 1,2 Dichlorobenzene   | 0.01 | nd               | nd               |
| 1,1 Dichloroethane    | 0.01 | nd               | nd               |
| 1,2 Dichloroethane    | 0.01 | nd               | nd               |
| Chloroform            | 0.01 | nd               | nd               |
| Carbon Tetrachloride  | 0.01 | nd               | nd               |
| 1,1,1 Trichloroethane | 0.01 | 0.04             | 1.41             |
| 1,1,2 Trichloroethane | 0.01 | nd               | nd               |
| Tetrachloroethane     | 0.01 | nd               | nd               |
| TPH                   | 1    | nd               | 4                |
| Methane               | 1    | 8                | 60               |

"nd" Indicates Not Detected at the listed detection limit.

"int" Indicates that interference peaks prevent determination.

## TRANSGLOBAL ENVIRONMENTAL GEOSCIENCES NORTHWEST, INC.

Page 1

AIR NATIONAL GUARD PROJECT  
Coos Bay, Oregon  
Operational Technologies Corporation, Inc.

## Total Volatile Hydrocarbon (EPA 8015) And BTEX (EPA 8020) Analyses for Soil Vapor

| Sample<br>Number | Date<br>Analyzed | Benzene<br>ppmv | Toluene<br>ppmv | Eth Benz<br>ppmv | Xylene<br>ppmv | TVH<br>ppmv | Methane<br>ppmv |
|------------------|------------------|-----------------|-----------------|------------------|----------------|-------------|-----------------|
| Meth. Blank      | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 3               |
| Probe Blank      | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 3               |
| FTA-01           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 20              |
| FTA-02           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 11              |
| FTA-03           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 4               |
| FTA-04           | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 2               |
| FTA-05           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 60              |
| FTA-05 Dup       | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 48              |
| FTA-06           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 602             |
| FTA-07           | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 37              |
| FTA-08           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 36              |
| FTA-09           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 8               |
| FTA-10           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 3               |
| FTA-11           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 1               |
| FTA-12           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 6               |
| FTA-13           | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 23              |
| FTA-13Dup        | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 20              |
| FTA-14           | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 7               |
| FTA-15           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 17              |
| FTA-16           | 11/02/94         | nd              | nd              | nd               | nd             | 2           | 18              |
| FTA-17           | 11/02/94         | nd              | nd              | nd               | nd             | 5           | 32              |
| FTA-18           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 8               |
| FTA-19           | 11/02/94         | nd              | nd              | nd               | nd             | 3           | 23              |
| FTA-20           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 2               |
| FTA-20 Dup       | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 2               |
| FTA-21           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 2               |
| FTA-22           | 11/02/94         | nd              | nd              | nd               | nd             | 1           | 5               |
| FTA-23           | 11/02/94         | nd              | nd              | nd               | nd             | 9           | 42              |
| FTA-24           | 11/02/94         | nd              | nd              | nd               | nd             | 6           | 34              |
| FTA-24 Dup       | 11/02/94         | nd              | nd              | nd               | nd             | 6           | 24              |
| FTA-25           | 11/02/94         | nd              | nd              | nd               | nd             | nd          | 5               |
| DETECTION LIMITS |                  | 0.01            | 0.01            | 0.01             | 0.01           | 1           | 1               |

"nd" Indicates NOT DETECTED at the Listed Detection Limits

"int" Indicates that INTERFERENCES prevent determination

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Total Volatile Hydrocarbon (EPA 8015) And BTEX (EPA 8020) Analyses for Soil Vapor

[illegible]



ENVIRONMENTAL  
GEOCHEMISTRY, INC.

# CHAIN-OF-CUSTODY RECORD

|  |                                  |                                     |
|--|----------------------------------|-------------------------------------|
| CLIENT: <u>Oplich</u>                  | DATE: <u>11/29/97</u>            | PAGE <u>1</u> OF <u>1</u>           |
| ADDRESS: _____                         | TEG PROJECT #: <u>ADJ4411021</u> |                                     |
| PHONE: _____                           | LOCATION: <u>Cops Bay, A06</u>   |                                     |
| CLIENT PROJECT #: _____                | COLLECTOR: <u>S. Chittell</u>    | DATE OF COLLECTION: <u>11/29/97</u> |
| PROJECT MANAGER: <u>M. V. G. Jones</u> |                                  |                                     |

| Sample Number | Depth | Time | Sample Type | Container Type | ANALYSES | TPH 418.1 | TPH 8015 (g/g) | TPH 8015 (g/g) | PMA 610/8100 | HEX CHROME | TOTAL LEAD | PH | ASBESTOS | FIELD NOTES | Total Number Of Containers | Note Number |
|---------------|-------|------|-------------|----------------|----------|-----------|----------------|----------------|--------------|------------|------------|----|----------|-------------|----------------------------|-------------|
| ETA-01        | 5'    | 0920 | Vapor       | 20cc Syringe   | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-02        | 5'    | 0935 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-03        | 5'    | 1005 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-04        | 5'    | 1023 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-05        | 5'    | 1033 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-06        | 2'    | 1058 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-07        | 5'    | 1115 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-08        | 5'    | 1135 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-09        | 5'    | 1147 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-10        | 5'    | 1202 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-11        | 5'    | 1240 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-12        | 5'    | 1300 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 2                          |             |
| ETA-13        | 5'    | 1312 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 2                          |             |
| ETA-14        | 5'    | 1344 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-15        | 2'    | 1402 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-16        | 5'    | 1425 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-17        | 2.5'  | 1437 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |
| ETA-18        | 2.0'  | 1458 | "           | "              | X        | X         | X              | X              | X            | X          | X          | X  | X        |             | 1                          |             |

|   |           |                          |           |                            |                               |                      |                          |
|---|-----------|--------------------------|-----------|----------------------------|-------------------------------|----------------------|--------------------------|
| RELINQUISHED BY: (Signature)  | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME | SAMPLE RECEIPT             |                               | LABORATORY NOTES:    |                          |
| RELINQUISHED BY: (Signature)  | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME | TOTAL NUMBER OF CONTAINERS | CHAIN OF CUSTODY SEALS Y/N/NA | SEALS INTACT? Y/N/NA | RECEIVED GOOD COND./COLD |
| SAMPLE DISPOSAL INSTRUCTIONS  |           |                          |           |                            |                               |                      |                          |
| <input type="checkbox"/> TEG DISPOSAL @ \$2.00 each <input type="checkbox"/> Return <input type="checkbox"/> Pickup |           |                          |           |                            |                               |                      |                          |



# CHAIN-OF-CUSTODY RECORD

[illegible]



TEG  
ENVIRONMENTAL  
GEOCHEMISTRY, INC.

# CHAIN-OF-CUSTODY RECORD

|                                    |                                   |                                    |
|------------------------------------|-----------------------------------|------------------------------------|
| CLIENT: <u>Optech</u>              | DATE: <u>11-3-94</u>              | PAGE <u>1</u> OF <u>1</u>          |
| ADDRESS: _____                     | TEG PROJECT #: <u>ADL941102-1</u> |                                    |
| PHONE: _____                       | LOCATION: <u>Coos Bay OR</u>      |                                    |
| CLIENT PROJECT #: _____            | COLLECTOR: <u>S. Chitt</u>        | DATE OF COLLECTION: <u>11/3/94</u> |
| PROJECT MANAGER: <u>Mike Gales</u> |                                   |                                    |

| Sample Number | Depth | Time | Sample Type | Container Type | ANALYSES | TPH 418.1 | TPH 8015 (gasoline) | TPH 8015 (diesel) | PMA 610/8100 | HEX CHROME | ORGANIC LEAD | TOTAL LEAD | PH | ASBESTOS | FIELD NOTES | Total Number Of Containers | Laboratory Note Number |
|---------------|-------|------|-------------|----------------|----------|-----------|---------------------|-------------------|--------------|------------|--------------|------------|----|----------|-------------|----------------------------|------------------------|
| MSS-03        | 5'    | 0910 | vgas        | 20cc syringe   | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-01        | 2'    | 0925 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-07        | 2'    | 0937 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-04        | 5'    | 1010 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-05        | 5'    | 1020 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-06        | 5'    | 1034 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-07        | 5'    | 1044 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 2                          |                        |
| MSS-08        | 5'    | 1120 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-09        | 5'    | 1140 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-10        | 5'    | 1200 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-11        | 5'    | 1219 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 2                          |                        |
| MSS-12        | 5'    | 1245 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-13        | 5'    | 1259 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-14        | 5'    | 1315 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| MSS-15        | 5'    | 1350 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| OWD-1         | 25'   | 1450 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| OWD-2         | 5'    | 1510 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |
| OWD-3         | 2'    | 1532 | "           | "              | X        |           |                     |                   |              |            |              |            |    |          |             | 1                          |                        |

|   |           |                          |           |
|---|-----------|--------------------------|-----------|
| RELINQUISHED BY: (Signature)  | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME |
| RELINQUISHED BY: (Signature)  | DATE/TIME | RECEIVED BY: (Signature) | DATE/TIME |
| SAMPLE DISPOSAL INSTRUCTIONS  |           |                          |           |
| <input type="checkbox"/> TEG DISPOSAL @ \$2.00 each <input type="checkbox"/> Return <input type="checkbox"/> Pickup |           |                          |           |
| LABORATORY NOTES:   |           |                          |           |
| TOTAL NUMBER OF CONTAINERS  |           |                          |           |
| CHAIN OF CUSTODY SEALS Y/N/A  |           |                          |           |
| SEALS INTACT? Y/N/A   |           |                          |           |
| RECEIVED GOOD COND./COLD  |           |                          |           |
| NOTES:  |           |                          |           |

## CHAIN-OF-CUSTODY RECORD

[illegible]

## CHAIN-OF-CUSTODY RECORD

[illegible]

## **QA/QC FOR ANALYTICAL METHODS**

### **GENERAL**

The TEG Northwest Mobile Laboratory quality assurance and quality control (QA/QC) procedures are conducted following the guidelines and objectives which meet or exceed certification/accreditation requirements of California DOHS, Washington DOE, and Oregon DEQ. The Quality Control Program is a consistent set of procedures which assures data quality through the use of appropriate blanks, replicate analyses, surrogate spikes, and matrix spikes, and with the use of reference standards that meet or exceed EPA standards.

When analyses are taking place on-site with the mobile lab, the need for Field Blanks or Travel/Trip Blanks is eliminated. If there is going to be a delay before sample preparation for analysis, the sample is stored at 4° C.

### **ANALYTICAL METHODS**

TEG Northwest Mobile Labs use analytical methodologies which are in conformity with U. S. Environmental Protection Agency (EPA), Washington DOE, and Oregon DEQ methodologies. When necessary and appropriate due to the nature or composition of the sample, TEG may use variations of the methods which are consistent with recognized standards or variations used by the industry and government laboratories.

#### **Purgeable Volatile Halocarbons**

**(Chlorinated Hydrocarbons, EPA 601/8010,8021)**

A blank and a calibration standard are run at the beginning of the day. The standard must be within 15% of the continuing calibration curve value. The standard is rerun at the end of the day if more than 10 samples have been run. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135%. At least 1 method blank is run per day.

**Purgeable Volatile Aromatics**  
**(BTEX, EPA 602/8020)**

A blank and a calibration standard are run at the beginning of the day. The standard must be within 15% of the continuing calibration curve value. The standard is rerun at the end of the day if more than 10 samples have been run. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135%. At least 1 method blank is run per day.

**TPH-Gasoline, TPH-Diesel**  
**(Gasoline and/or Diesel, Modified EPA 8015, WTPH-G/WTPH-D)**

A blank and a calibration standard are run at the beginning of the day. The standard must be within 15% of the continuing calibration curve value. The standard is rerun at the end of the day. All samples are prepared with a surrogate spike, and the recovery must be between 65% and 135%. A duplicate sample is run at a rate of 1 per 10 samples (or a matrix spike sample is prepared and analyzed). At least 1 method blank is run per 10 samples analyzed.

**APPENDIX B**

**BORING LOGS**

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING OWD-01BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/10/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 110.03 ft.

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 2           | 12       | 100        | X       |         | Sand, very clayey, black, semi-firm, moist.   | 0               | 0             | 0             | 0                |
| 12          | 24       |            |         |         | Sand, fine-grained to medium-grained, moderately sorted, brown with red iron oxidation, slightly moist. |                 |               |               |                  |
| 5           | 12       | 100        | X       |         |   | 0               | 0             | 0             | 0                |
| 25          | 43       |            |         |         |   |                 |               |               |                  |
| 10          | 25       | 100        | X       |         | Sand, very clayey, poorly sorted, semi-firm, black to brown, very moist.                                | 0               | 0             | 0             | 0                |
| 50          |          |            |         |         |   |                 |               |               |                  |
| 15          | 20       | 90         | X       |         |   | 0               | 0             | 0             | 0                |
| 25          | 50       |            |         |         | Sand, medium-grained, well sorted, loose, brown, saturated.   | 0               | 0             | 0             | 0                |
| 16          | 28       | 100        | X       |         |   |                 |               |               |                  |
| 20          | 33       |            |         |         | Boring Terminated at 20.0 ft.   |                 |               |               |                  |



COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING OWD-02BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/10/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 108.95 ft.

| Depth (ft.)                   | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING         |               |               |                  |
|-------------------------------|----------|------------|---------|---------|---|-------------------------|---------------|---------------|------------------|
|                               |          |            |         |         |   | PID<br>(ppm)            | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|                               |          |            |         |         | Sand, very clayey, black, firm, moist.  |                         |               |               |                  |
| 7<br>15<br>20                 |          | 100        |         |         | Sand, fine-grained to medium-grained, moderately sorted, loose, brown, moist. | 0                       | 2.7           | 0             | 0                |
| 5<br>16<br>22<br>28           |          | 100        |         |         |   | 0                       | 1.8           | 0             | 0                |
| 10<br>16<br>21<br>26          |          | 40         |         |         |   | 0.7                     | 2.0           | 0             | 0                |
| 15<br>14<br>28<br>33          |          |            |         |         |   | 0.7                     | 0             | 5             | 0                |
| 20<br>15<br>22<br>25          |          |            |         |         |   | - saturated at 18.5 ft. | 0             | 0             | 0                |
| Boring Terminated at 20.0 ft. |          |            |         |         |   |                         |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING OWD-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/10/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 109.30 ft.

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|             |          |            |         |         | Sand, clayey, semi-firm, poorly sorted, black, moist.  |                 |               |               |                  |
| 10          |          | 100        |         |         | Clay, black, firm, slightly moist.   | 0               | 1.0           | 0             | 0                |
| 10          |          |            |         |         | Sand, loose, fine-grained to medium-grained, poorly sorted, brown, occasional red iron oxidation, moist. |                 |               |               |                  |
| 12          |          |            |         |         |  |                 |               |               |                  |
| 18          |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
| 20          |          |            |         |         |  |                 |               |               |                  |
| 25          |          |            |         |         |  |                 |               |               |                  |
| 23          |          | 100        |         |         |  | 0.3             | 1.0           | 0             | 0                |
| 50          |          |            |         |         |  |                 |               |               |                  |
| 28          |          | 100        |         |         |  | 0               | 1.8           | 24            | 24               |
| 50          |          |            |         |         |  |                 |               |               |                  |
| 10          |          | 90         |         |         | - saturated at 18.0 ft.  | 0               | 1.0           | 1             | 1                |
| 23          |          |            |         |         |  |                 |               |               |                  |
| 27          |          |            |         |         | Boring Terminated at 20.0 ft.  |                 |               |               |                  |

**O P T E C H**  
**OPERATIONAL TECHNOLOGIES**  
**CORPORATION**

|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/10/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>10.0 ft.</b>    |
| <b>Depth To Water:</b>    | <b>NA</b>          |
| <b>Date Measured:</b>     | <b>NA</b>          |
| <b>Surface Elevation:</b> | <b>104.92 ft.</b>  |

[illegible]


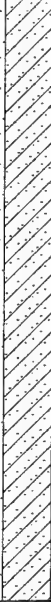

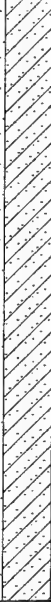

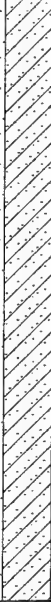


COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING MSS-02BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/10/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 15.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 100.90 ft.

| Depth (ft.)          | Blows/6" | % Recovery | Samples   | Graphic   | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|----------------------|----------|------------|---|---|---|-----------------|---------------|---------------|------------------|
|                      |          |            |   |   |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 12<br>15<br>23       |          | 100        |    |   | Sand, very clayey, firm, black, moist.<br>Sand, slightly to very clayey, loose, brown, moist.   | 0               | 0             | 0             | 0                |
| 5<br>16<br>18<br>20  |          | 100        |    |   | - organic clay, very wet.   | 0               | 0             | 0             | 0                |
| 10<br>18<br>20<br>24 |          | 100        |  |   | - saturated.  | 0               | 15.8          | 852           | 103              |
| 15<br>27<br>31<br>50 |          | 100        |  |  | Sand, fine-grained to medium-grained, moderately sorted, loose, brown to dark brown, saturated. | 0               | 18.9          | 511           | 18               |
|                      |          |            |   |   | Boring Terminated at 15.0 ft.   |                 |               |               |                  |

## COOS HEAD ANG, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/10/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>9.5 ft.</b>     |
| <b>Depth To Water:</b>    | <b>NA</b>          |
| <b>Date Measured:</b>     | <b>NA</b>          |
| <b>Surface Elevation:</b> | <b>102.06 ft.</b>  |

[illegible]

## COOS HEAD ANG, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                         |   |                           |                   |
|-------------------------|---|---------------------------|-------------------|
| <b>Project No.:</b>     | <b>1315-135</b>                             | <b>Sampling Method:</b>   | <b>Hand Auger</b> |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>                     | <b>Depth Drilled:</b>     | <b>9.5 ft.</b>    |
| <b>Drilling Co.:</b>    | <b>Operational Technologies Corporation</b> | <b>Depth To Water:</b>    | <b>NA</b>         |
| <b>Driller:</b>         | <b>Joe Byrd, Jr.</b>                        | <b>Date Measured:</b>     | <b>NA</b>         |
| <b>Date Drilled:</b>    | <b>11/16/94</b>                             | <b>Surface Elevation:</b> | <b>114.5 ft.</b>  |
| <b>Drilling Method:</b> | <b>Hand Auger</b>                           |                           |                   |

[illegible]

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING TS-001BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/10/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 15.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 102.92 ft.

| Depth (ft.)    | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|----------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|                |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 10<br>12<br>15 |          | 100        | ☒       |         | Sand, fine-grained to medium-grained, moderately sorted, loose, brown, moist. | 0               | 0             | 0             | 0                |
| 18<br>20<br>21 |          | 100        | ☒       |         |   | 0               | 0             | 0             | 0                |
| 20<br>27<br>30 |          | 100        | ☒       |         |   | 0               | 0             | 0             | 0                |
| 12<br>13<br>16 |          | 100        | ☒       |         | Sand, clayey, soft, organic, dark brown to brown, moist.                      | 0               | 0             | 0             | 0                |
|                |          |            |         |         |   |                 |               |               |                  |
|                |          |            |         |         | Boring Terminated at 15.0 ft.   |                 |               |               |                  |

**O P T E C H**  
**OPERATIONAL TECHNOLOGIES**  
**CORPORATION**

## LOG OF BORING TS-002BH

|                         |   |
|-------------------------|---|
| <b>Project No.:</b>     | <b>1315-135</b>                             |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>                     |
| <b>Drilling Co.:</b>    | <b>Operational Technologies Corporation</b> |
| <b>Driller:</b>         | <b>Joe Byrd, Jr.</b>                        |
| <b>Date Drilled:</b>    | <b>11/16/94</b>                             |
| <b>Drilling Method:</b> | <b>Hand Auger</b>                           |

|                           |                   |
|---------------------------|-------------------|
| <b>Sampling Method:</b>   | <b>Hand Auger</b> |
| <b>Depth Drilled:</b>     | <b>9.0 ft.</b>    |
| <b>Depth To Water:</b>    | <b>NA</b>         |
| <b>Date Measured:</b>     | <b>NA</b>         |
| <b>Surface Elevation:</b> | <b>100.75 ft.</b> |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|             |          |            |         |         | Sand, loose, fine-grained to medium-grained,<br>moderately sorted, brown, moist. |                 |               |               |                  |
|             |          | 100        |         |         |  | 0               | 0             | 1             | 0                |
|             |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
|             |          | 100        |         |         |  | 0               | 0             | 5             | 1                |
|             |          |            |         |         | Refusal at 9.0 ft.   |                 |               |               |                  |



COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

# O P T E C H

# OPERATIONAL TECHNOLOGIES CORPORATION

## LOG OF BORING TS-003BH

|                         |   |
|-------------------------|---|
| <b>Project No.:</b>     | <b>1315-135</b>                             |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>                     |
| <b>Drilling Co.:</b>    | <b>Operationla Technologies Corporation</b> |
| <b>Driller:</b>         | <b>Joe Byrd, Jr.</b>                        |
| <b>Date Drilled:</b>    | <b>11/16/94</b>                             |
| <b>Drilling Method:</b> | <b>Hand Auger</b>                           |

|                    |            |
|--------------------|------------|
| Sampling Method:   | Hand Auger |
| Depth Drilled:     | 9.0 ft.    |
| Depth To Water:    | NA         |
| Date Measured:     | NA         |
| Surface Elevation: | 101.43 ft. |

[illegible]

## COOS HEAD ANG, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/11/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>6.0 ft.</b>     |
| <b>Depth To Water:</b>    | <b>NA</b>          |
| <b>Date Measured:</b>     | <b>NA</b>          |
| <b>Surface Elevation:</b> | <b>102.00 ft.</b>  |

[illegible]

## COOS HEAD ANGERS, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/11/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>10.0 ft.</b>    |
| <b>Depth To Water:</b>    | <b>NA</b>          |
| <b>Date Measured:</b>     | <b>NA</b>          |
| <b>Surface Elevation:</b> | <b>101.23 ft.</b>  |

| Depth (ft.) | Blows/6"       | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |                |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|             | 2<br>3<br>6    | 100        |         |         | Fill, sand, gravel, some clay, loose, dark brown,<br>slightly moist. | 0               | 0             | 0             | 0                |
| 5           | 2<br>2<br>2    | 75         |         |         |  | 0               | 0             | 0             | 0                |
| 10          | 36<br>49<br>50 | 75         |         |         |  | 0               | 0             | 0             | 0                |
|             |                |            |         |         | Concrete bottom.<br>Boring Terminated at 10.0 ft.                    |                 |               |               |                  |








COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING SDB-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/11/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 101.45 ft.

| Depth (ft.)                   | Blows/6" | % Recovery | Samples   | Graphic  | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------------------------|----------|------------|---|--|---|-----------------|---------------|---------------|------------------|
|                               |          |            |   |  |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 4<br>4<br>15                  |          | 100        |    |   | Sand, clayey, fine-grained, poorly sorted, brown, loose, slightly moist.                                  | 0               | 0             | 0             | 0                |
| 5<br>13<br>29<br>34           |          | 100        |    |  | Sand, fine-grained to medium-grained, moderately sorted, loose, dark brown to brown, moist to very moist. | 0               | 0             | 0             | 0                |
| 10<br>10<br>12<br>24          |          | 100        |  |  |   | 0               | 0             | 0             | 0                |
| 15<br>8<br>10<br>26           |          | 100        |  |  |   | 0               | 0             | 0             | 0                |
| 20<br>15<br>31<br>50          |          | 100        |  |  | - 18.5 to 20.0 ft. dark green.  | 0               | 0.5           | 0             | 0                |
| Boring Terminated at 20.0 ft. |          |            |   |  |   |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING BAA-01BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/08/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 129.54 ft.

| Depth (ft.)          | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS                             | FIELD SCREENING |               |               |                  |
|----------------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|                      |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 10<br>26<br>30       |          | 100        | X       |         | Sand, fine-grained, loose, gray to brown, dry.       | 0               | 0.5           | 0             | 0                |
| 5<br>13<br>17        |          | 100        | X       |         | Sand, fine-grained, loose, brown, red staining, wet. | 0               | 3             | 0             | 0                |
| 10<br>6<br>2<br>13   |          | 100        | X       |         | - black material at 10.5 ft.                         | 0               | 0             | 2             | 0                |
| 15<br>30<br>30<br>35 |          | 100        | X       |         |  | 0               | 0             | 2             | 0                |
| 45<br>50<br>20       |          | 100        | X       |         | Boring Terminated at 19.5 ft.                        | 0               | 0             | 2             | 0                |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING BAA-02BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/08/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 131.64 ft.

| Depth (ft.)    | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|----------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|                |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 2<br>4<br>5    |          | 100        | X       |         | Sand, clayey, brown to dark brown, moist, soft.                      | 0               | 0             | 1             | 0                |
| 10<br>30<br>32 |          | 100        | X       |         |  | 0               | 0             | 1             | 0                |
| 25<br>50       |          | 100        | X       |         | Sand, fine-grained, loose, slightly moist, brown, red iron staining. | 0               | 0             | 2             | 0                |
| 35<br>50       |          | 100        | X       |         |  | 0               | 0             | 1             | 0                |
| 18<br>50       |          | 100        | X       |         | Boring Terminated at 19.5 ft.  | 0               | 0             | 1             | 0                |
|                |          |            |         |         |  |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANGUS, OREGON

**O P T E C H**

OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING BAA-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/08/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 129.33 ft.

| Depth (ft.)    | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|----------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|                |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 4<br>10<br>13  |          | 100        | ☒       |         | Sand, fine-grained to medium-grained, loose, moderately sorted, brown, reddish iron oxidation.<br><br>- very moist 4.5 to 6.0 ft. | 0               | 0             | 1             | 0                |
| 19<br>22<br>28 |          | 100        | ☒       |         |   | 0               | 0             | 2             | 0                |
| 32<br>50       |          | 100        | ☒       |         |   | 0               | 0             | 18            | 15               |
| 18<br>32<br>50 |          | 100        | ☒       |         |   | 0               | 0             | 1             | 0                |
| 32<br>50       |          |            | ☒       |         | Boring Terminated at 19.5 ft.   | 0               | 0             | 1             | 0                |

**O P T E C H**  
**OPERATIONAL TECHNOLOGIES**  
**CORPORATION**

## LOG OF BORING A48-01BH

|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/08/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>39.5 ft.</b>    |
| <b>Depth To Water:</b>    | <b>NA</b>          |
| <b>Date Measured:</b>     | <b>NA</b>          |
| <b>Surface Elevation:</b> | <b>151.74 ft.</b>  |

| Depth (ft.) | Blows/6"       | % Recovery | Samples    | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------|----------------|------------|------------|---------|---|-----------------|---------------|---------------|------------------|
|             |                |            |            |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 0           |                |            |            |         | Sand, slightly clayey, brown, loose to semi-firm,<br>slightly moist, occasional wood fragments. |                 |               |               |                  |
| 5           | 2<br>3<br>4    | 100        | X<br>█     |         |   | 0               | 0             | 1             | 0                |
| 10          | 12<br>14<br>17 | 100        | X<br><br>X |         |   | 0               | 1             | 2             | 0                |
| 15          | 15<br>20<br>22 | 100        | X<br>█<br> |         |   | 0               | 13            | 4             | 0                |
| 20          | 21<br>50       | 90         | X<br><br>  |         | Sand, medium-grained, well sorted, loose, brown,<br>occasional red iron oxidation.              | 0               | 0             | 2             | 0                |
| 25          | 31<br>50       | 100        | X<br><br>  |         |   | 0               | 0             | 1             | 0                |
| 30          | 20<br>50       | 100        | X<br><br>  |         |   | 0.5             | 2             | 1             | 0                |
| 35          | 43<br>50       | 90         | X<br><br>  |         |   | 4               | 1.5           | 4             | 0                |
| 40          | 41<br>50       | 100        | █<br><br>  |         |   | 0               | 0             | 3             | 0                |
| 45          |                |            |            |         | Boring Terminated at 39.5 ft.   |                 |               |               |                  |



## COOS HEAD ANG, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                    |             |
|--------------------|-------------|
| Sampling Method:   | Split-Spoon |
| Depth Drilled:     | 39.5 ft.    |
| Depth To Water:    | NA          |
| Date Measured:     | NA          |
| Surface Elevation: | 152.46 ft.  |

| Depth (ft.) | Blows/6"       | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |                |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 5           | 5<br>8<br>13   | 100        |         |         | Sand, slightly clayey, loose, brown to dark brown, slightly moist, occasional piece of wood or plant.      | 0               | 0             | 0             | 0                |
| 10          | 4<br>6<br>7    | 100        |         |         |  | 0               | 0             | 1             | 0                |
| 15          | 17<br>20<br>22 | 100        |         |         |  | 6               | 0             | 1             | 0                |
| 20          | 17<br>30<br>35 | 100        |         |         | Sand, medium-grained to fine-grained, moderately sorted, loose, slightly moist, brown, red iron oxidation. | 3.8             | 2.0           | 1             | 0                |
| 25          | 11<br>35<br>41 | 100        |         |         |  | 0               | 0             | 1             | 0                |
| 30          | 31<br>50       | 100        |         |         |  | 0               | 0             | 1             | 0                |
| 35          | 31<br>50       | 100        |         |         |  | 0               | 0             | 1             | 0                |
| 40          | 37<br>50       | 100        |         |         | Boring Terminated at 39.5 ft.  | 0               | 0             | 0             | 0                |

COOS HEAD PA/SI  
COOS HEAD ANGS, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING A48-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/09/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 39.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 151.57 ft.

| Depth (ft.) | Blows/6"       | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------|----------------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|             |                |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 5           | 11<br>15<br>17 | 100        |         |         | Sand, slightly clayey, loose to semi soft, brown to dark brown, slightly moist.   | 0               | 0             | 0             | 0                |
| 10          | 11<br>23<br>35 | 100        |         |         |   | 0               | 0             | 1             | 0                |
| 15          | 16<br>7<br>9   | 100        |         |         |   | 0               | 0             | 0             | 0                |
| 20          | 13<br>21<br>24 | 100        |         |         | Sand, medium-grained to fine-grained, moderately sorted, loose, brown to dark brown, occasional red iron oxidation.<br>- 18.5 to 28.5 ft. very moist. | 2               | 1.5           | 1             | 0                |
| 25          | 27<br>50       | 70         |         |         |   | 0               | 0             | 0             | 0                |
| 30          | 17<br>29<br>50 | 100        |         |         | - 28.5 to 39.5 ft. moist.   | 0               | 0             | 0             | 0                |
| 35          | 31<br>50       | 100        |         |         |   | 0               | 0             | 1             | 0                |
| 40          | 39<br>50       | 100        |         |         | Boring Terminated at 39.5 ft.   | 0               | 0             | 0             | 0                |
| 45          |                |            |         |         |   |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**

OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING A40-01BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/08/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 122.49 ft.

| Depth (ft.)       | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|                   |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 13<br>43<br>50    |          | 100        | X       |         | Sand, slightly clayey, fine-grained, poorly sorted, brown to gray with reddish iron oxide, moist, loose to fragile. | 0               | 0             | 4             | 0                |
| 5 13<br>17<br>12  |          | 100        | X       |         | Sand, fine-grained to medium-grained, moderately sorted, brown, moist, loose, reddish brown, red iron oxide.        | 0               | 2.9           | 7             | 0                |
| 25<br>50          |          | 100        |         |         |   | 0               | 3             | 10            | 0                |
| 15 18<br>36<br>50 |          | 100        | X       |         |   | 0               | 0             | 16            | 0                |
| 32<br>50          |          | 80         |         |         |   | 0               | 6             | 2             | 0                |
| 20                |          |            |         |         | Boring Terminated at 19.5 ft.   |                 |               |               |                  |



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**O P T E C H**OPERATIONAL TECHNOLOGIES  
CORPORATION

## LOG OF BORING A40-03BH

|                  |                                      |                    |            |
|------------------|--------------------------------------|--------------------|------------|
| Project No.:     | 1315-135                             | Sampling Method:   | Hand Auger |
| Logged By:       | Michael A. Giles                     | Depth Drilled:     | 8.0 ft.    |
| Drilling Co.:    | Operational Technologies Corporation | Depth To Water:    | NA         |
| Driller:         | Joe Byrd, Jr.                        | Date Measured:     | NA         |
| Date Drilled:    | 11/16/94                             | Surface Elevation: | 119.98 ft. |
| Drilling Method: | Hand Auger                           |                    |            |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 0           |          | 100        |         |         | Sandy, fine-grained to medium-grained, moderately sorted, light brown to brown, moist. | 0               | 0             | 5             | 1                |
| 5           |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
|             |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
| 10          |          |            |         |         | Refusal at 8.0 ft.   |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
| 20          |          |            |         |         |  |                 |               |               |                  |

COOS HEAD PA/SI


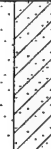






COOS HEAD ANG, OREGON

**O P T E C H**OPERATIONAL TECHNOLOGIES  
CORPORATION

## LOG OF BORING A24-01BH

Project No.: 1315-135  
 Logged By: Michael A. Giles  
 Drilling Co.: Cascade Drilling  
 Driller: Rodney La Bross  
 Date Drilled: 11/11/94  
 Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
 Depth Drilled: 20.0 ft.  
 Depth To Water: NA  
 Date Measured: NA  
 Surface Elevation: 97.86 ft.

| Depth (ft.)                   | Blows/6" | % Recovery | Samples   | Graphic   | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------------------------|----------|------------|---|---|--|-----------------|---------------|---------------|------------------|
|                               |          |            |   |   |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 4<br>4<br>9                   |          | 100        |    |    | Sand, clayey, poorly sorted, fine-grained, brown to dark brown, moist.   | 0               | 0             | 0             | 0                |
| 5<br>8<br>13<br>13            |          | 100        |    |   | Sand, fine-grained to medium-grained, moderately sorted, loose, occasional partial cemented, brown to dark brown, red iron oxidation, moist. | 0               | 0             | 0             | 0                |
| 10<br>4<br>2<br>2             |          | 90         |  |   |  | 0               | 0             | 0             | 0                |
| 15<br>16<br>20<br>24          |          | 100        |  |   |  | 0               | 0             | 0             | 0                |
| 20<br>4<br>13<br>35           |          | 100        |  |  | Sand, clayey, poorly sorted, fine-grained, dark brown, moist.  | 0               | 0             | 0             | 0                |
| Boring Terminated at 20.0 ft. |          |            |   |   |  |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**

OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING A24-02BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/11/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 97.53 ft.

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|             |          |            |         |         | Sand, clayey, semi-firm, dark brown, moist.   |                 |               |               |                  |
| 16          | 16       | 100        |         |         | Sand, loose, fine-grained to medium-grained, moderately sorted, dark brown to brown, red iron oxidation, moist to very moist. | 0               | 0             | 0             | 0                |
| 16          | 16       |            |         |         |   |                 |               |               |                  |
| 16          |          |            |         |         |   |                 |               |               |                  |
| 5           | 7        | 100        |         |         |   | 0               | 0             | 0             | 0                |
| 13          | 13       |            |         |         |   |                 |               |               |                  |
| 13          |          |            |         |         |   |                 |               |               |                  |
| 10          | 16       | 100        |         |         |   | 0               | 0             | 3             | 0                |
| 17          | 17       |            |         |         |   |                 |               |               |                  |
| 21          |          |            |         |         |   |                 |               |               |                  |
| 15          | 17       | 90         |         |         |   | 0               | 0             | 0             | 0                |
| 31          | 31       |            |         |         |   |                 |               |               |                  |
| 43          | 43       |            |         |         |   |                 |               |               |                  |
| 20          | 17       | 100        |         |         | Sand, fine-grained, loose, moist, dark green.   | 0               | 0             | 0             | 0                |
|             | 50       |            |         |         |   |                 |               |               |                  |
|             |          |            |         |         | Boring Terminated at 19.5 ft.   |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING A24-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/11/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 96.71 ft.

| Depth (ft.)  | Blows/6"       | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|--------------|----------------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|              |                |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 6<br>6<br>6  |                | 100        | X       |         | Sand, clayey, fine-grained, poorly sorted, loose to semi-firm, brown, slightly moist.                              | 0               | 0             | 2             | 0                |
| 5<br>9<br>13 | 7<br>9<br>13   | 100        | X       |         |  |                 |               |               |                  |
|              |                |            |         |         | Clay, firm, blocky, dark brown.  | 0               | 0             | 0             | 0                |
| 10<br>13     | 7<br>15<br>13  | 100        | X       |         | Sand, fine-grained, poorly sorted, loose, occasional partially cemented, brown with occasional red iron oxidation. | 0               | 0             | 0             | 0                |
| 15<br>17     | 16<br>16<br>17 | 100        | X       |         |  |                 |               |               |                  |
| 20<br>20     | 10<br>19<br>20 | 70         | X       |         |  |                 |               |               |                  |
|              |                |            |         |         | Boring Terminated at 20.0 ft.  |                 |               |               |                  |




COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING SF-001BH

|  |                              |
|--|------------------------------|
| Project No.: 1315-135                              | Sampling Method: Hand Auger  |
| Logged By: Michael A. Giles                        | Depth Drilled: 5.5 ft.       |
| Drilling Co.: Operational Technologies Corporation | Depth To Water: NA           |
| Driller: Joe Byrd, Jr.                             | Date Measured: NA            |
| Date Drilled: 11/17/94                             | Surface Elevation: 13.86 ft. |
| Drilling Method: Hand Auger                        |                              |

| Depth (ft.)                  | Blows/6" | % Recovery | Samples | Graphic   | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|------------------------------|----------|------------|---------|---|---|-----------------|---------------|---------------|------------------|
|                              |          |            |         |   |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 5                            | -        | 100        | -       |  | Sand, fine-grained, moderately sorted, loose, off-white, dry.                   | 0               | 0             | 10            | 1                |
|                              |          |            |         |   | Gravel, sandy, loose, slightly moist, gravel is dark gray, sand is light brown. |                 |               |               |                  |
|                              |          |            |         |   | Sand, loose, fine-grained, dark brown, very moist, saturated at 5.5 ft.         | 0               | 0             | 1             | 0                |
| Boring Terminated at 5.5 ft. |          |            |         |   |   |                 |               |               |                  |

## COOS HEAD ANG, OREGON

**OPERATIONAL TECHNOLOGIES  
CORPORATION**

|                         |   |                           |                   |
|-------------------------|---|---------------------------|-------------------|
| <b>Project No.:</b>     | <b>1315-135</b>                             | <b>Sampling Method:</b>   | <b>Hand Auger</b> |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>                     | <b>Depth Drilled:</b>     | <b>6.0 ft.</b>    |
| <b>Drilling Co.:</b>    | <b>Operational Technologies Corporation</b> | <b>Depth To Water:</b>    | <b>NA</b>         |
| <b>Driller:</b>         | <b>Joe Byrd, Jr.</b>                        | <b>Date Measured:</b>     | <b>NA</b>         |
| <b>Date Drilled:</b>    | <b>11/17/94</b>                             | <b>Surface Elevation:</b> | <b>13.58 ft.</b>  |
| <b>Drilling Method:</b> | <b>Hand Auger</b>                           |                           |                   |





| Depth (ft.)                  | Blows/6" | % Recovery | Samples               | Graphic               | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|------------------------------|----------|------------|-----------------------|-----------------------|--|-----------------|---------------|---------------|------------------|
|                              |          |            |                       |                       |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 5                            | .        | 100        | [Pattern: Small dots] | [Pattern: Small dots] | Sand, fine-grained, moderately sorted, loose, off-white, dry.  | 0               | 0             | 0             | 0                |
|                              |          |            |                       |                       | Gravel, sandy, loose, dry, gravel is dark gray, sand is off-white to brown, sewer piped at 1.5 ft BLS. | 0               | 0             | 0             | 0                |
|                              |          |            |                       |                       | Sand, fine-grained to medium-grained, moderately sorted, loose, off-white to light brown, very moist.  | 0               | 0             | 1             | 0                |
| Boring Terminated at 6.0 ft. |          |            |                       |                       |  |                 |               |               |                  |

COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
CORPORATION

LOG OF BORING SF-003BH

|                  |                                      |                    |            |
|------------------|--------------------------------------|--------------------|------------|
| Project No.:     | 1315-135                             | Sampling Method:   | Hand Auger |
| Logged By:       | Michael A. Giles                     | Depth Drilled:     | 6.5 ft.    |
| Drilling Co.:    | Operational Technologies Corporation | Depth To Water:    | NA         |
| Driller:         | Joe Byrd, Jr.                        | Date Measured:     | NA         |
| Date Drilled:    | 11/17/94                             | Surface Elevation: | 13.6 ft.   |
| Drilling Method: | Hand Auger                           |                    |            |

| Depth (ft.)                  | Blows/6" | % Recovery | Samples  | Graphic  | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|------------------------------|----------|------------|--|--|--|-----------------|---------------|---------------|------------------|
|                              |          |            |  |  |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 5                            | .        | 100        |   |   | Sand, fine-grained to medium-grained, moderately sorted, loose, off-white color, dry.  | 0               | 0             | 5             | 1                |
|                              |          |            |  |  | Gravel, sandy, loose, gravel is gray to dark gray, sand is fine-grained to medium-grained, moderately sorted, loose, off-white to light brown. |                 |               |               |                  |
| 5                            | .        | 100        |  |  | Sand, fine-grained to medium-grained, moderately sorted, loose, off-white to light brown, very moist.  | 0               | 0             | 6             | 1                |
| Boring Terminated at 6.5 ft. |          |            |  |  |  |                 |               |               |                  |

COOS HEAD PA/SI

COOS HEAD ANG, OREGON

**O P T E C H**OPERATIONAL TECHNOLOGIES  
CORPORATION

## LOG OF BORING FTA-01BH

Project No.: 1315-135  
 Logged By: Michael A. Giles  
 Drilling Co.: Cascade Drilling  
 Driller: Rodney La Bross  
 Date Drilled: 11/09/94  
 Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
 Depth Drilled: 19.5 ft.  
 Depth To Water: NA  
 Date Measured: NA  
 Surface Elevation: 111.71 ft.

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
|             |          |            |         |         | Fill, sand, clay, black.   |                 |               |               |                  |
| 2           |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
| 7           |          |            |         |         |  |                 |               |               |                  |
| 6           |          |            |         |         | Sand, slightly clayey, loose, brown, red iron oxidation.                                     |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
| 18          |          | 100        |         |         | Sand, medium-grained to fine-grained, moderately sorted, loose, very moist, brown.           | 0               | 0             | 0             | 0                |
| 31          |          |            |         |         |  |                 |               |               |                  |
| 37          |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
| 20          |          | 100        |         |         |  | 0               | 0             | 0             | 0                |
| 50          |          |            |         |         |  |                 |               |               |                  |
| 10          |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
| 50          |          | 90         |         |         | - sand is saturated at 13.5 ft.  | 0               | 0             | 0             | 0                |
| 15          |          |            |         |         |  |                 |               |               |                  |
|             |          |            |         |         |  |                 |               |               |                  |
| 35          |          | 100        |         |         | Sand, very clayey, fine-grained to medium-grained, poorly sorted, loose to firm, dark brown. | 0               | 0             | 0             | 0                |
| 50          |          |            |         |         |  |                 |               |               |                  |
| 20          |          |            |         |         | Boring Terminated at 19.5 ft.  |                 |               |               |                  |


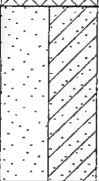

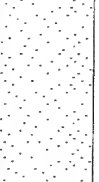
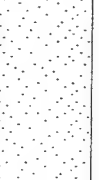
COOS HEAD PA/SI  
COOS HEAD ANG, OREGON

**O P T E C H**  
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LOG OF BORING FTA-02BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/09/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 20.0 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 112.48 ft.

| Depth (ft.)          | Blows/6" | % Recovery | Samples | Graphic   | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|----------------------|----------|------------|---------|---|---|-----------------|---------------|---------------|------------------|
|                      |          |            |         |   |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 4<br>11<br>12        | 4        | 100        | X       |    | Fill, sand, clay, some gravel, black.   | 0               | 0             | 0             | 0                |
|                      |          |            |         |   | Sand, slightly clayey, brown, loose, slightly moist.                              |                 |               |               |                  |
| 5<br>11<br>7         | 9        | 100        | X       |    | Sand, fine-grained to medium-grained, moderately sorted, loose, off white, moist. | 0               | 0             | 0             | 0                |
|                      |          |            |         |   | - brown 8.5 to 20.0 ft. very moist.   |                 |               |               |                  |
| 10<br>11<br>21<br>35 | 11       | 100        | X       |   | - brown 8.5 to 20.0 ft. very moist.   | 0               | 0             | 0             | 0                |
|                      |          |            |         |   | - clayey sand 18.5 to 20 ft.  |                 |               |               |                  |
| 15<br>47<br>46<br>54 | 47       | 40         | X       |  | - clayey sand 18.5 to 20 ft.  | 0               | 0             | 0             | 0                |
|                      |          |            |         |   | Boring Terminated at 20.0 ft.   |                 |               |               |                  |
| 20<br>15<br>33<br>50 | 15       | 95         | X       |  | Boring Terminated at 20.0 ft.   | 0               | 0             | 0             | 0                |
|                      |          |            |         |   | Boring Terminated at 20.0 ft.   |                 |               |               |                  |

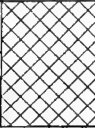
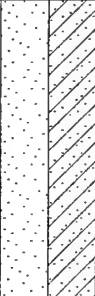



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COOS HEAD ANGS, OREGON

**O P T E C H**  
OPERATIONAL TECHNOLOGIES  
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LOG OF BORING FTA-03BH

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/09/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 19.5 ft.  
Depth To Water: NA  
Date Measured: NA  
Surface Elevation: 111.87 ft.

| Depth (ft.)                   | Blows/6" | % Recovery | Samples | Graphic   | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  |
|-------------------------------|----------|------------|---------|---|---|-----------------|---------------|---------------|------------------|
|                               |          |            |         |   |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |
| 2<br>3<br>34                  |          | 100        |         |    | Fill, sand, clay, occasional gravel, soft, dark brown to black, slightly moist.   | 0               | 0             | 0             | 0                |
| 9<br>18<br>22                 |          | 100        |         |   | Sand, clayey, loose to very soft, brown, moist.   | 0               | 0             | 0             | 0                |
| 30<br>50                      |          | 100        |         |  | Sand, fine-grained to medium-grained, moderately sorted, loose, brown to light brown, occasional red iron oxidation, moist to very moist. | 0               | 0             | 0             | 0                |
| 18<br>29<br>38                |          | 100        |         |  |   | 0               | 0             | 0             | 0                |
| 17<br>50                      |          | 90         |         |  | Peat, clayey, dark brown to black, moist, some sand, firm.  | 0               | 0             | 0             | 0                |
| Boring Terminated at 19.5 ft. |          |            |         |   |   |                 |               |               |                  |

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LOG OF BORING CB-001PZ

Project No.: 1315-135  
Logged By: Michael A. Giles  
Drilling Co.: Cascade Drilling  
Driller: Rodney La Bross  
Date Drilled: 11/14/94  
Drilling Method: Hollow-Stem Auger

Sampling Method: Split-Spoon  
Depth Drilled: 44.0 ft.  
Depth To Water: 40.54 ft.  
Date Measured: 11/18/94  
Surface Elevation: 148.23 ft.  
TOC Elevation: 150.0 ft.

| Depth (ft.)          | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  | Monitoring Well |
|----------------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|-----------------|
|                      |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |                 |
| 7<br>8<br>15         |          | 100        |         |         | Clay, sandy, firm but breaks easily, brown, dry.   | 0               | 0             | 0             | 0                |                 |
| 5                    |          |            |         |         |  |                 |               |               |                  |                 |
| 10<br>9<br>12        |          | 100        |         |         | Sand, fine-grained to medium-grained, loose, brown, occasional red iron oxidation, very moist. | 0               | 0             | 3             | 0                |                 |
| 15<br>12<br>22<br>36 |          | 100        |         |         |  | 0               | 0             | 0             | 0                |                 |
| 20<br>17<br>19<br>20 |          | 100        |         |         |  | 0               | 0             | 0             | 0                |                 |
| 25<br>27<br>50       |          | 90         |         |         |  | .9              | 0             | 0             | 0                |                 |
| 30<br>30<br>50       |          | 90         |         |         |  | 3.5             | 0             | 0             | 0                |                 |
| 35<br>50             |          | 90         |         |         |  | 2.9             | 0             | 0             | 0                |                 |
| 40<br>28<br>50       |          | 100        |         |         | Shale, sandy, hard, bedded, dark green.  |                 |               |               |                  |                 |
| 45<br>50             |          | 90         |         |         | Boring Terminated at 44.0 ft.  |                 |               |               |                  |                 |

## COOS HEAD ANG, OREGON

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|                         |                          |
|-------------------------|--------------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   |
| <b>Date Drilled:</b>    | <b>11/14/94</b>          |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> |

|                           |                    |
|---------------------------|--------------------|
| <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Depth Drilled:</b>     | <b>34.0 ft.</b>    |
| <b>Depth To Water:</b>    | <b>27.23 ft.</b>   |
| <b>Date Measured:</b>     | <b>11/18/94</b>    |
| <b>Surface Elevation:</b> | <b>129.48 ft.</b>  |
| <b>TOC Elevation:</b>     | <b>131.21 ft.</b>  |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  | Monitoring Well |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|-----------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |                 |
| 10          | 18       | 24         | 100     |         | Sand, slightly clayey, loose to very soft, poorly sorted, brown, very moist.             | 0               | 0             | 8             | 0                |                 |
| 5           | 20       | 50         | 90      |         | Sand, fine-grained, moderately sorted, brown, very moist, occasional red iron oxidation. | 0               | 0             | 24            | 1                |                 |
| 10          | 17       | 50         | 90      |         |  | 0               | 0             | 0             | 0                |                 |
| 15          | 17       | 50         | 90      |         |  | 0               | 0             | 0             | 0                |                 |
| 20          | 50       | 100        |         |         |  | 0               | 0             | 0             | 0                |                 |
| 25          | 30       | 50         | 100     |         | - saturated at 28.5 ft.  | 0               | 0             | 0             | 0                |                 |
| 30          | 50       | 85         |         |         | Clay, sandy, firm, brown, moist.   | 0               | 0             | 0             | 0                |                 |
| 35          |          |            |         |         | Boring Terminated at 34.0 ft.  |                 |               |               |                  |                 |



| Depth (ft.) | Blows/6"       | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  | Monitoring Well |
|-------------|----------------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|-----------------|
|             |                |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |                 |
|             |                |            |         |         | Sand, clayey, loose to very soft, moist, dark brown.   |                 |               |               |                  |                 |
| 5           | 2<br>3<br>4    | 100        | X       |         | Sand, fine-grained to medium-grained,<br>moderately sorted, loose, moist, brown, red iron staining.<br>- occasional beds of clayey sand. | 0               | 0             | 0             | 0                |                 |
| 10          | 21<br>50       | 100        | X       |         |  | 0               | 0             | 0             | 0                |                 |
| 15          | 20<br>24<br>29 | 100        | X       |         |  | 0               | 0             | 0             | 0                |                 |
| 20          | 24<br>27<br>30 | 100        | X       |         |  | 0               | 0             | 0             | 0                |                 |
| 25          | 26<br>50       | 100        | X       |         |  | 0               | 0             | 0             | 0                |                 |
| 30          |                |            |         |         | Shale, blue, hard.<br>Boring Terminated at 28.0 ft.  |                 |               |               |                  |                 |
| 35          |                |            |         |         |  |                 |               |               |                  |                 |
| 40          |                |            |         |         |  |                 |               |               |                  |                 |
| 45          |                |            |         |         |  |                 |               |               |                  |                 |

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## LOG OF BORING CB-004PZ

|                  |                   |                    |             |
|------------------|-------------------|--------------------|-------------|
| Project No.:     | 1315-135          | Sampling Method:   | Split-Spoon |
| Logged By:       | Michael A. Giles  | Depth Drilled:     | 84.5 ft.    |
| Drilling Co.:    | Cascade Drilling  | Depth To Water:    | 69.01 ft.   |
| Driller:         | Rodney La Bross   | Date Measured:     | 11/18/94    |
| Date Drilled:    | 11/12/94          | Surface Elevation: | 95.59 ft.   |
| Drilling Method: | Hollow-Stem Auger | TOC Elevation:     | 97.15 ft.   |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS   | FIELD SCREENING |               |               |                  | Monitoring Well |
|-------------|----------|------------|---------|---------|--|-----------------|---------------|---------------|------------------|-----------------|
|             |          |            |         |         |  | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |                 |
| 4           |          | 100        | ×       |         | Sand, slightly clayey, loose, fine-grained, poorly sorted, dark brown to brown, occasional iron staining, moist. | 0               | 0             | 0             | 0                |                 |
| 5           |          |            |         |         | Sand, medium-grained to fine-grained, loose, moderately sorted, brown, occasional iron staining, moist.          |                 |               |               |                  |                 |
| 10          |          | 100        | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 15          |          | 100        | ×       |         | Sand, fine-grained to poorly sorted, firm but breaks easily, dark green, dry.                                    | 0               | 0             | 0             | 0                |                 |
| 20          |          | 90         | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 25          |          | 100        | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 30          |          | 100        | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 35          |          | 90         | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 40          |          | 90         | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 45          |          | 100        | ×       |         |  | 0               | 0             | 0             | 0                |                 |
| 50          |          | 100        | ×       |         |  | 0               | 0             | 0             | 0                |                 |

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|                         |                          |                           |                    |
|-------------------------|--------------------------|---------------------------|--------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          | <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  | <b>Depth Drilled:</b>     | <b>84.5 ft.</b>    |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  | <b>Depth To Water:</b>    | <b>69.01 ft.</b>   |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   | <b>Date Measured:</b>     | <b>11/18/94</b>    |
| <b>Date Drilled:</b>    | <b>11/12/94</b>          | <b>Surface Elevation:</b> | <b>95.59 ft.</b>   |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> | <b>TOC Elevation:</b>     | <b>97.15 ft.</b>   |

[illegible]

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|-------------------------|--------------------------|---------------------------|--------------------|
| <b>Project No.:</b>     | <b>1315-135</b>          | <b>Sampling Method:</b>   | <b>Split-Spoon</b> |
| <b>Logged By:</b>       | <b>Michael A. Giles</b>  | <b>Depth Drilled:</b>     | <b>28.0 ft.</b>    |
| <b>Drilling Co.:</b>    | <b>Cascade Drilling</b>  | <b>Depth To Water:</b>    | <b>18.18 ft.</b>   |
| <b>Driller:</b>         | <b>Rodney La Bross</b>   | <b>Date Measured:</b>     | <b>11/18/94</b>    |
| <b>Date Drilled:</b>    | <b>11/15/94</b>          | <b>Surface Elevation:</b> | <b>110.92 ft.</b>  |
| <b>Drilling Method:</b> | <b>Hollow-Stem Auger</b> | <b>TOC Elevation:</b>     | <b>110.59 ft.</b>  |

| Depth (ft.) | Blows/6" | % Recovery | Samples | Graphic | DESCRIPTION OF MATERIALS  | FIELD SCREENING |               |               |                  | Monitoring Well |
|-------------|----------|------------|---------|---------|---|-----------------|---------------|---------------|------------------|-----------------|
|             |          |            |         |         |   | PID<br>(ppm)    | ATHA<br>(ppm) | BTEX<br>(ppb) | Benzene<br>(ppb) |                 |
| 29          |          | 100        | X       |         | Asphalt.  |                 |               |               |                  |                 |
| 30          |          |            | X       |         | Fill, sand, gravel, orange to brown.  | 0               | 0             | 6             | 2                |                 |
| 50          |          |            |         |         | Sand, fine-grained to medium-grained, moderately sorted, loose, light brown to brown, with occasional reddish iron oxidation, occasional thin bed of clayey sand. |                 |               |               |                  |                 |
| 15          |          | 100        | X       |         |   | 0               | 0             | 1             | 1                |                 |
| 31          |          |            | X       |         |   |                 |               |               |                  |                 |
| 50          |          |            |         |         |   |                 |               |               |                  |                 |
| 6           |          | 100        | X       |         |   | 0               | 0             | 1             | 0                |                 |
| 26          |          |            | X       |         |   |                 |               |               |                  |                 |
| 13          |          |            |         |         |   |                 |               |               |                  |                 |
| 12          |          | 90         | X       |         |   | 0               | 0             | 0             | 0                |                 |
| 30          |          |            | X       |         |   |                 |               |               |                  |                 |
| 50          |          |            |         |         |   |                 |               |               |                  |                 |
| 17          |          | 100        | X       |         | Sand, partially cemented, fine-grained, very hard, dark green-gray, saturated.  | 0               | 0             | 0             | 0                |                 |
| 50          |          |            |         |         |   |                 |               |               |                  |                 |
| 29.0        |          |            |         |         | Boring Terminated at 29.0 ft.   |                 |               |               |                  |                 |

## **APPENDIX C**

### **FIELD GC AND PID SCREENING RESULTS**

**FIELD GC DATA**

**Table C.1**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|-----------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|           |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| OWD-001BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 9.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 20.0*                 | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| OWD-002BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | 5                     | ND                  | ND                | 5                   |
|           | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| OWD-003BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 9.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 14.5                  | 10                     | 24                     | ND               | ND                    | ND                  | ND                | 24                  |
|           | 18.5 - 20.0                  | 10                     | 1                      | ND               | ND                    | ND                  | ND                | 1                   |
| MSS-001BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| MSS-002BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|--------------------------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|                          |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| MSS-002BH<br>(Concluded) | 8.5 - 10.0                   | 10                     | 103                    | 140              | 135                   | 338                 | 136               | 852                 |
|                          | 13.5 - 15.0                  | 10                     | 18                     | 33               | 128                   | 278                 | 54                | 511                 |
| MSS-003BH                | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.5 - 5.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 9.5                    | 10                     | ND                     | 7                | ND                    | ND                  | ND                | 7                   |
| MSS-004BH                | 1.0 - 2.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.0 - 5.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 9.5                    | 10                     | 1                      | 2                | 4                     | 5                   | ND                | 12                  |
| TS-001BH                 | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| TS-002BH                 | 1.0 - 2.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 4.0 - 5.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.0 - 9.0                    | 10                     | 1                      | 2                | 2                     | ND                  | ND                | 5                   |
| TS-003BH                 | 1.0 - 2.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.5 - 5.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.0 - 9.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| SDB-001BH                | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |



**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|-----------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|           |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| SDB-002BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| SDB-003BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| BAA-001BH | 1.0 - 2.5                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 4.5 - 6.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 9.5 - 11.0                   | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|           | 14.5 - 16.0                  | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|           | 18.5 - 19.5                  | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
| BAA-002BH | 1.0 - 2.5                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 4.5 - 6.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 8.5 - 10.0                   | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|           | 13.5 - 14.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 18.5 - 19.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| BAA-003BH | 1.0 - 2.5                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|           | 4.5 - 6.0                    | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|           | 8.5 - 9.5                    | 10                     | 15                     | 3                | ND                    | ND                  | ND                | 18                  |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|--------------------------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|                          |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| BAA-003BH<br>(Concluded) | 13.5 - 15.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 18.5 - 19.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| A48-001BH                | 3.5 - 5.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 8.5 - 10.0                   | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|                          | 13.5 - 15.0                  | 10                     | ND                     | 4                | ND                    | ND                  | ND                | 4                   |
|                          | 18.5 - 19.5                  | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
|                          | 23.5 - 24.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 28.5 - 29.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 33.5 - 34.5                  | 10                     | 1                      | 2                | 1                     | ND                  | ND                | 4                   |
|                          | 38.5 - 39.5                  | 10                     | 1                      | 2                | ND                    | ND                  | ND                | 3                   |
|                          | 3.5 - 5.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 8.5 - 10.0                   | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| A48-002BH                | 13.5 - 15.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 18.5 - 20.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 23.5 - 25.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 28.5 - 29.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 33.5 - 34.5                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 38.5 - 39.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 3.5 - 5.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 10.0                   | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| A48-003BH                | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|--------------------------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|                          |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| A48-003BH<br>(Concluded) | 18.5 - 20.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                          | 23.5 - 24.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 28.5 - 30.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 33.5 - 34.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 38.5 - 39.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| A40-001BH                | 1.0 - 2.5                    | 10                     | ND                     | 1                | 3                     | ND                  | ND                | 4                   |
|                          | 4.5 - 6.0                    | 10                     | ND                     | 1                | 6                     | ND                  | ND                | 7                   |
|                          | 9.0 - 10.0                   | 10                     | ND                     | 2                | 8                     | ND                  | ND                | 10                  |
|                          | 14.5 - 16.0                  | 10                     | ND                     | 2                | 14                    | ND                  | ND                | 16                  |
|                          | 18.5 - 19.5                  | 10                     | ND                     | 2                | ND                    | ND                  | ND                | 2                   |
| A40-002BH                | 1.0 - 2.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 4.5 - 5.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 9.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 1.0 - 2.0                    | 10                     | 1                      | 2                | 2                     | ND                  | ND                | 5                   |
| A40-003BH                | 4.0 - 5.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 7.0 - 8.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| A24-001BH                | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                          |                              |                        |                        |                  |                       |                     |                   |                     |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|-----------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|           |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| A24-002BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | 3                     | ND                  | ND                | 3                   |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 19.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| A24-003BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | 2                     | ND                  | ND                | 2                   |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| SF-001BH  | 1.0 - 2.0                    | 10                     | 1                      | 3                | 6                     | ND                  | ND                | 10                  |
|           | 4.5 - 5.5                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| SF-002BH  | 1.0 - 2.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 5.0 - 6.0                    | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
| SF-003BH  | 1.0 - 2.0                    | 10                     | 1                      | 2                | 2                     | ND                  | ND                | 5                   |
|           | 5.5 - 6.5                    | 10                     | 1                      | 2                | 3                     | ND                  | ND                | 6                   |
| FTA-001BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 9.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 14.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 19.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|-----------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|           |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| FTA-002BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| FTA-003BH | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 4.5 - 6.0                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 9.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 19.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-001PZ  | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 8.5 - 10.0                   | 10                     | ND                     | ND               | 3                     | ND                  | ND                | 3                   |
|           | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 23.5 - 24.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 28.5 - 29.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 33.5 - 34.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 38.5 - 39.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-002PZ  | 43.5 - 44.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|           | 1.0 - 1.5                    | 10                     | ND                     | 1                | 3                     | 4                   | ND                | 8                   |
|           | 8.5 - 9.5                    | 10                     | 1                      | 3                | 8                     | 12                  | ND                | 24                  |

**Table C.1 (Continued)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                  | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                      |                   | Total BTEX<br>(ppb) |
|-------------------------|------------------------------|------------------------|------------------------|------------------|-----------------------|----------------------|-------------------|---------------------|
|                         |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m, p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| CB-002PZ<br>(Concluded) | 13.5 - 14.5                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 18.5 - 19.5                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 23.5 - 24.5                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 28.5 - 29.5                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 33.5 - 34.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
| CB-003PZ                | 3.5 - 5.0                    | 10                     | ND                     | 1                | 3                     | 3                    | ND                | 7                   |
|                         | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 13.5 - 15.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 23.5 - 24.5                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
| CB-004PZ                | 1.0 - 2.5                    | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 8.5 - 10.0                   | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 13.5 - 14.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 18.5 - 19.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 28.5 - 29.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 33.5 - 34.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 38.5 - 39.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 43.5 - 44.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 48.5 - 49.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 58.5 - 59.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |
|                         | 63.5 - 64.0                  | 10                     | ND                     | ND               | ND                    | ND                   | ND                | ND                  |

**Table C.1 (Concluded)**  
**GC Screening Results – Soil and Water**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                  | Sample Interval<br>(ft. BLS) | Sample Mass<br>(grams) | Volatile Concentration |                  |                       |                     |                   | Total BTEX<br>(ppb) |
|-------------------------|------------------------------|------------------------|------------------------|------------------|-----------------------|---------------------|-------------------|---------------------|
|                         |                              |                        | Benzene<br>(ppb)       | Toluene<br>(ppb) | Ethylbenzene<br>(ppb) | m,p-Xylene<br>(ppb) | o-Xylene<br>(ppb) |                     |
| CB-004PZ<br>(Concluded) | 68.5 - 69.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                         | 73.5 - 74.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                         | 78.5 - 79.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-005PZ                | 3.5 - 5.0                    | 10                     | 2                      | 2                | 2                     | ND                  | ND                | 6                   |
|                         | 8.5 - 10.0                   | 10                     | 1                      | ND               | ND                    | ND                  | ND                | 1                   |
|                         | 13.5 - 15.0                  | 10                     | ND                     | 1                | ND                    | ND                  | ND                | 1                   |
|                         | 18.5 - 20.0                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
|                         | 23.5 - 24.5                  | 10                     | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-001PZ                | Water                        | 10 ml                  | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-002PZ                | Water                        | 10 ml                  | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-003PZ                | Water                        | 10 ml                  | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-004PZ                | Water                        | 10 ml                  | ND                     | ND               | ND                    | ND                  | ND                | ND                  |
| CB-005PZ                | Water                        | 10 ml                  | ND                     | ND               | ND                    | ND                  | ND                | ND                  |

GC – Gas Chromatograph.  
ft. BLS – feet Below Land Surface.  
ppb – parts per billion.  
BTEX – Benzene, Toluene, Ethylbenzene, and Xylenes.  
ND – Non-Detect.  
AOC – Area of Concern.  
OWD – Old Washrack and Drain AOC.

BH – Borehole.  
MSS – Maintenance Shop Sump and Wash Area AOC.  
TS – Transformer Spill AOC.  
BAA – Burn Area and Antenna Area No. 28 AOC.  
A48 – Antenna Area No. 48 AOC.  
A40 – Antenna Area No. 40 AOC.  
A24 – Antenna Area No. 24 AOC.

SDB – Sludge Drying Beds AOC.  
SF – Septic Field AOC.  
FTA – Fire Training Area AOC.  
CB – Coos Bay.  
PZ – Piezometer.  
ml – milliliters.  
\* – Re-shot Sample.

**PID AND ATHA DATA**



**Table C.2**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|-----------|------------------------------|--------------------------|---|
|           |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| OWD-001BH | 1.0 - 2.5                    | 0                        | 0   |
|           | 4.5 - 6.0                    | 0                        | 0   |
|           | 8.5 - 9.5                    | 0                        | 0   |
|           | 13.5 - 15.0                  | 0                        | 0   |
|           | 18.5 - 20.0                  | 0                        | 0   |
| OWD-002BH | 1.0 - 2.5                    | 0                        | 2.7                                       |
|           | 4.5 - 6.0                    | 0                        | 1.8                                       |
|           | 8.5 - 10.0                   | 0.7                      | 2.0                                       |
|           | 13.5 - 15.0                  | 0.7                      | 0   |
|           | 18.5 - 20.0                  | 0                        | 0   |
| OWD-003BH | 1.0 - 2.5                    | 0                        | 1.0                                       |
|           | 4.5 - 6.0                    | 0                        | 1.0                                       |
|           | 8.5 - 9.5                    | 0.3                      | 0   |
|           | 13.5 - 14.5                  | 0                        | 1.8                                       |
|           | 18.5 - 20.0                  | 0                        | 1.0                                       |
| MSS-001BH | 1.0 - 2.5                    | 0                        | 0   |
|           | 4.5 - 6.0                    | 1.2                      | 0   |
|           | 8.5 - 10.0                   | 0                        | 1.2                                       |
| MSS-002BH | 1.0 - 2.5                    | 0                        | 0   |
|           | 4.5 - 6.0                    | 0                        | 0   |
|           | 8.5 - 10.0                   | 0                        | 15.8                                      |
|           | 13.5 - 15.0                  | 0                        | 18.9                                      |
| MSS-003BH | 1.0 - 2.5                    | 0                        | 0   |
|           | 4.5 - 5.5                    | 0                        | 0   |
|           | 8.5 - 9.5                    | 0                        | 0   |
| MSS-004BH | 1.0 - 2.0                    | 0                        | 0   |
|           | 4.0 - 5.0                    | 0                        | 0   |
|           | 8.5 - 9.5                    | 0                        | 0   |

**Table C.2 (Continued)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANGS, Coos Bay, Oregon**

| Boring    | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)    |   |
|-----------|------------------------------|-----------------------|---|
|           |                              | Upon Sample Retrieval | Ambient Temperature<br>Headspace Analysis |
| TS-001BH  | 1.0 - 2.5                    | 0                     | 0   |
|           | 4.5 - 6.0                    | 0                     | 0   |
|           | 8.5 - 10.0                   | 0                     | 0   |
|           | 13.5 - 15.0                  | 0                     | 0   |
| TS-002BH  | 1.0 - 2.0                    | 0                     | 0   |
|           | 4.0 - 5.0                    | 0                     | 0   |
|           | 8.0 - 9.0                    | 0                     | 0   |
| TS-003BH  | 1.0 - 2.0                    | 0                     | 0   |
|           | 4.5 - 5.5                    | 0                     | 0   |
|           | 8.0 - 9.0                    | 0                     | 0   |
| SDB-001BH | 1.0 - 2.5                    | 0                     | 0   |
|           | 4.5 - 6.0                    | 0                     | 0   |
| SDB-002BH | 1.0 - 2.5                    | 0                     | 0   |
|           | 4.5 - 6.0                    | 0                     | 0   |
|           | 8.5 - 10.0                   | 0                     | 0   |
| SDB-003BH | 1.0 - 2.5                    | 0                     | 0   |
|           | 4.5 - 6.0                    | 0                     | 0   |
|           | 8.5 - 10.0                   | 0                     | 0   |
|           | 13.5 - 15.0                  | 0                     | 0   |
|           | 18.5 - 20.0                  | 0                     | 0.5                                       |
| BAA-001BH | 1.0 - 2.5                    | 0                     | 0.5                                       |
|           | 4.5 - 6.0                    | 0                     | 3   |
|           | 9.5 - 11.0                   | 0                     | 0   |
|           | 14.5 - 16.0                  | 0                     | 0   |
|           | 18.5 - 19.5                  | 0                     | 0   |
| BAA-002BH | 1.0 - 2.5                    | 0                     | 0   |
|           | 4.5 - 6.0                    | 0                     | 0   |
|           | 8.5 - 10.0                   | 0                     | 0   |

**Table C.2 (Continued)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANGS, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|--------------------------|------------------------------|--------------------------|---|
|                          |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| BAA-002BH<br>(Concluded) | 13.5 - 14.5                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 0   |
| BAA-003BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 9.5                    | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 0   |
| A48-001BH                | 3.5 - 5.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 1   |
|                          | 13.5 - 15.0                  | 0                        | 13  |
|                          | 18.5 - 19.5                  | 0                        | 0   |
|                          | 23.5 - 24.5                  | 0                        | 0   |
|                          | 28.5 - 29.5                  | 0.5                      | 2   |
|                          | 33.5 - 34.5                  | 4                        | 1.5                                       |
|                          | 38.5 - 39.5                  | 0                        | 0   |
| A48-002BH                | 3.5 - 5.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 6                        | 0   |
|                          | 18.5 - 20.0                  | 3.8                      | 2.0                                       |
|                          | 23.5 - 25.0                  | 0                        | 0   |
|                          | 28.5 - 29.5                  | 0                        | 0   |
|                          | 33.5 - 34.5                  | 0                        | 0   |
|                          | 38.5 - 39.5                  | 0                        | 0   |
| A48-003BH                | 3.5 - 5.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 20.0                  | 2.0                      | 1.5                                       |
|                          | 23.5 - 24.5                  | 0                        | 0   |

**Table C.2 (Continued)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|--------------------------|------------------------------|--------------------------|---|
|                          |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| A48-003BH<br>(Concluded) | 28.5 - 30.0                  | 0                        | 0   |
|                          | 33.5 - 34.5                  | 0                        | 0   |
|                          | 38.5 - 39.5                  | 0                        | 0   |
| A40-001BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 2.9                                       |
|                          | 9.0 - 10.0                   | 0                        | 3   |
|                          | 14.5 - 16.0                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 6   |
| A40-002BH                | 1.0 - 2.0                    | 0                        | 0   |
|                          | 4.5 - 5.5                    | 0                        | 0   |
|                          | 8.5 - 9.5                    | 0                        | 0   |
| A40-003BH                | 1.0 - 2.0                    | 0                        | 0   |
|                          | 4.0 - 5.0                    | 0                        | 0   |
|                          | 7.0 - 8.0                    | 0                        | 0   |
| A24-001BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 20.0                  | 0                        | 0   |
| A24-002BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 0   |
| A24-003BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |

**Table C.2 (Continued)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                   | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|--------------------------|------------------------------|--------------------------|---|
|                          |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| A24-003BH<br>(Concluded) | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 20.0                  | 0                        | 0   |
| SF-001BH                 | 1.0 - 2.0                    | 0                        | 0   |
|                          | 4.5 - 5.5                    | 0                        | 0   |
| SF-002BH                 | 1.0 - 2.0                    | 0                        | 0   |
|                          | 5.0 - 6.0                    | 0                        | 0   |
| SF-003BH                 | 1.0 - 2.0                    | 0                        | 0   |
|                          | 5.5 - 6.5                    | 0                        | 0   |
| FTA-001BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 9.5                    | 0                        | 0   |
|                          | 13.5 - 14.0                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 0   |
| FTA-002BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 20.0                  | 0                        | 0   |
| FTA-003BH                | 1.0 - 2.5                    | 0                        | 0   |
|                          | 4.5 - 6.0                    | 0                        | 0   |
|                          | 8.5 - 9.5                    | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 19.5                  | 0                        | 0   |
| CB-001PZ                 | 1.0 - 2.5                    | 0                        | 0   |
|                          | 8.5 - 10.0                   | 0                        | 0   |
|                          | 13.5 - 15.0                  | 0                        | 0   |
|                          | 18.5 - 20.0                  | 0                        | 0   |
|                          | 23.5 - 24.5                  | 0.9                      | 0   |

**Table C.2 (Continued)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                  | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|-------------------------|------------------------------|--------------------------|---|
|                         |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| CB-001PZ<br>(Concluded) | 28.5 - 29.5                  | 3.5                      | 0   |
|                         | 33.5 - 34.0                  | 2.9                      | 0   |
|                         | 38.5 - 39.5                  | 0                        | 0   |
|                         | 43.5 - 44.0                  | 0                        | 0   |
| CB-002PZ                | 1.0 - 1.5                    | 0                        | 0   |
|                         | 8.5 - 9.5                    | 0                        | 0   |
|                         | 13.5 - 14.5                  | 0                        | 0   |
|                         | 18.5 - 19.5                  | 0                        | 0   |
|                         | 23.5 - 24.5                  | 0                        | 0   |
|                         | 28.5 - 29.5                  | 0                        | 0   |
|                         | 33.5 - 34.0                  | 0                        | 0   |
| CB-003PZ                | 3.5 - 5.0                    | 0                        | 0   |
|                         | 8.5 - 10.0                   | 0                        | 0   |
|                         | 13.5 - 15.0                  | 0                        | 0   |
|                         | 18.5 - 20.0                  | 0                        | 0   |
|                         | 23.5 - 24.5                  | 0                        | 0   |
| CB-004PZ                | 1.0 - 2.5                    | 0                        | 0   |
|                         | 8.5 - 10.0                   | 0                        | 0   |
|                         | 13.5 - 14.0                  | 0                        | 0   |
|                         | 18.5 - 19.0                  | 0                        | 0   |
|                         | 28.5 - 29.0                  | 0                        | 0   |
|                         | 33.5 - 34.0                  | 0                        | 0   |
|                         | 38.5 - 39.0                  | 0                        | 0   |
|                         | 43.5 - 44.0                  | 0                        | 0   |
|                         | 48.5 - 49.0                  | 0                        | 0   |
|                         | 58.5 - 59.0                  | 0                        | 0   |
|                         | 63.5 - 64.0                  | 0                        | 0   |

**Table C.2 (Concluded)**  
**Field PID Results – Soil**  
**104th ACS, Coos Head ANG, Coos Bay, Oregon**

| Boring                  | Sample Interval<br>(ft. BLS) | PID Reading* (ppm)       |   |
|-------------------------|------------------------------|--------------------------|---|
|                         |                              | Upon Sample<br>Retrieval | Ambient Temperature<br>Headspace Analysis |
| CB-004PZ<br>(Concluded) | 68.5 - 69.0                  | 0                        | 0   |
|                         | 73.5 - 74.0                  | 0                        | 0   |
|                         | 78.5 - 79.0                  | 0                        | 0   |
| CB-005PZ                | 3.5 - 5.0                    | 0                        | 0   |
|                         | 8.5 - 10.0                   | 0                        | 0   |
|                         | 13.5 - 15.0                  | 0                        | 0   |
|                         | 18.5 - 20.0                  | 0                        | 0   |
|                         | 23.5 - 24.5                  | 0                        | 0   |
| CB-001PZ                | Water                        | 0                        | 0   |
| CB-002PZ                | Water                        | 0                        | 0   |
| CB-003PZ                | Water                        | 0                        | 0   |
| CB-004PZ                | Water                        | 0                        | 0   |
| CB-005PZ                | Water                        | 0                        | 0   |

ft. BLS – feet Below Land Surface.

ppm – parts per million.

AOC – Area of Concern.

OWD – Old Washrack and Drain AOC.

BH – Borehole.

MSS – Maintenance Shop Sump and Wash Area AOC.

TS – Transformer Spill AOC.

BAA – Burn Area and Antenna Area No. 28 AOC.

A48 – Antenna Area No. 48 AOC.

A40 – Antenna Area No. 40 AOC.

A24 – Antenna Area No. 24 AOC.

SDB – Sludge Drying Beds AOC.

SF – Septic Field AOC.

FTA – Fire Training Area AOC.

CB – Coos Bay.

PZ – Piezometer.

PID – Photoionization Detector.

\* – PID calibrated with 100 ppm isobutylene.

# FIELD GC DATA SUMMARY

SITE: Ceas Bay ANG5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 12.0 ml/min

INJECTION VOLUME: 100 ul  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 5.30 sec

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            | Additional Analytes |    |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---------------------|----|
|              |               |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |    |
| 1            | 100 PPB       | BTEX                      | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X  |
| 2            | 1 PPM         | BTEX                      | X                   | 1,000                | 1,000   | 1,000         | 2,000      | 1,000    | 6,000      | X                   | X  |
| 3            | 10 PPM        | BTEX                      | X                   | 10,000               | 10,000  | 10,000        | 20,000     | 10,000   | 60,000     | X                   | X  |
| 4            | AIR BLANK     | X                         | X                   | 1                    | 2       | 2             | ND         | ND       | 5          | X                   | X  |
| 5            | A40-001BH     | 1-2.5                     | 10                  | ND                   | 1       | 3             | ND         | ND       | 4          |                     |    |
| 6            | 100 PPB       | BTEX                      | X                   | 83                   | 77      | 73            | 139        | 74       | 446        | X                   | X  |
|              | Recalibration | X                         | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X  |
| 7            | A40-001BH     | 4.5-6.0                   | 10                  | ND                   | 1       | 6             | ND         | ND       | 7          |                     |    |
| 8            | A40-001BH     | 9.0-10.0                  | 10                  | ND                   | 2       | 8             | ND         | ND       | 10         |                     |    |
| 9            | A40-001BH     | 14.5-16.9                 | 10                  | ND                   | 2       | 14            | ND         | ND       | 16         | 35% window ±10%     | 50 |
| 10           | C40-001BH     | 18.5-19.5                 | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |                     |    |
| 11           | BAA-002 BH    | 1.0-2.5                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 12           | 100 PPB       | BTEX                      | X                   | 92                   | 99      | 101           | 205        | 102      | 599        | X                   | X  |
| 13           | AIR BLANK     | X                         | X                   | ND                   | 1       | ND            | ND         | ND       | 1          | X                   | X  |
| 14           | BAA-002 BH    | 4.5-6.0                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 15           | BAA-002 BH    | 13.5-14.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 16           | BAA-002 BH    | 18.5-19.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 17           | BAA-001 BH    | 1.0-2.5                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 18           | BAA-001 BH    | 4.5-6.0                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |    |
| 19           | 100 PPB       | BTEX                      | X                   | 85                   | 79      | 75            | 146        | 75       | 460        | X                   | X  |

| Calibration Information |                | Analytes |         |               |            |          |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 60.8     | 124.5   | 259.4         | 279.4      | 331.2    |  |
|                         | Response       | 186      | 99      | 65            | 58         | 20.5     |  |
| 1 ppm                   | Retention Time | 61.3     | 125.2   | 257           | 278.4      | 331.2    |  |
|                         | Response       | 2032     | 1791    | 1496          | 1168       | 548      |  |
| 10 ppm                  | Retention Time | 61.6     | 125.2   | 260.2         | 280.2      | 332.5    |  |
|                         | Response       | 11,670   | 14,636  | 13,186        | 11,772     | 4,913    |  |

OPERATOR: J Byrd Jr

DATE: 8 Nov 94



# FIELD GC DATA SUMMARY

SITE: Coos Bay ANG5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 12.0 ml/min

INJECTION VOLUME: 100 µl  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 530 sec

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            |   | Additional Analytes |                       |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---|---------------------|-----------------------|
|              |               |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |   |                     |                       |
|              | Recalibration |                           | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X | X                   |                       |
| 20           | BAA-001 BH    | 14.5-16.0                 | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 21           | BAA-001 BH    | 18.5-19.5                 | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 22           | BAA-003 BH    | 4.5-6.0                   | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 23           | BAA-003 BH    | 8.5-9.5                   | 10                  | 15                   | 3       | ND            | ND         | ND       | 18         |   |                     |                       |
| 24           | BAA-003 BH    | 13.5-15.0                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |
| 25           | 100 PPB       | BTEX                      | X                   | 104                  | 97      | 90            | 177        | 92       | 560        | X | X                   |                       |
| 26           | AIR BLANK     | X                         | X                   | ND                   | 1       | ND            | ND         | ND       | 1          | X | X                   |                       |
| 27           | BAA-003 BH    | 1.0-2.5                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |
| 28           | BAA-002 BH    | 3.5-10.0                  | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 29           | BAA-001 BH    | 9.5-11.0                  | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 30           | BAA-003 BH    | 18.5-19.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |
| 31           | A48-001 BH    | 3.5-5.0                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |
| 32           | 100 PPB       | BTEX                      | X                   | 94                   | 92      | 88            | 175        | 95       | 544        | X | X                   |                       |
| 33           | AIR BLANK     | X                         | X                   | ND                   | 1       | ND            | ND         | ND       | 1          | X | X                   |                       |
| 34           | A48-001 BH    | 8.5-10.0                  | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 35           | A48-001 BH    | 13.5-15.0                 | 10                  | ND                   | 4       | ND            | ND         | ND       | 4          |   |                     | Reduce Run to 500 sec |
| 36           | A48-001 BH    | 18.5-19.5                 | 10                  | ND                   | 2       | ND            | ND         | ND       | 2          |   |                     |                       |
| 37           | A48-001 BH    | 23.5-24.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |
| 38           | A48-001 BH    | 28.5-29.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |                       |

*I use this to run QA/QC at end of Day instead of new page 3*

| Calibration Information |                | Analytes             |         |               |            |          |  | BTEX TOTAL   |  | 33        |  |
|-------------------------|----------------|----------------------|---------|---------------|------------|----------|--|--------------|--|-----------|--|
|                         |                | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |              |  |           |  |
| 0.1 ppm                 | Retention Time | It is Late Shut down |         |               |            |          |  | 100 PPB BTEX |  | AIR BLANK |  |
|                         | Response       | GC.                  |         |               |            |          |  |              |  |           |  |
| 1 ppm                   | Retention Time |                      |         |               |            |          |  |              |  |           |  |
|                         | Response       |                      |         |               |            |          |  |              |  |           |  |
| 10 ppm                  | Retention Time |                      |         |               |            |          |  |              |  |           |  |
|                         | Response       |                      |         |               |            |          |  |              |  |           |  |

OPERATOR: J. Boyd Jr

DATE: 8 Nov 94

# FIELD GC DATA SUMMARY

SITE: Good Bay ANG-5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 12  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: ~~465~~ 470 sec  
53

| Analysis No. | Boring     | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            | Additional Analytes |   |   |
|--------------|------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---------------------|---|---|
|              |            |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |   |
| 1            | 100 PPB    | BTEX                      | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X | X |
| 2            | 1 PPM      | BTEX                      | X                   | 1,000                | 1,000   | 1,000         | 2,000      | 1,000    | 6,000      | X                   | X | X |
| 3            | 10 PPM     | BTEX                      | X                   | 10,000               | 10,000  | 10,000        | 20,000     | 10,000   | 60,000     | X                   | X | X |
| 4            | AIR BLANK  | X                         | X                   | 1                    | 2       | 8             | 18         | ND       | 29         | X                   | X | X |
| 5            | A48-001 BH | 33.5-34.5                 | 10                  | 1                    | 2       | 1             | ND         | ND       | 4          |                     |   |   |
| 6            | A48-001 BH | 38.5-39.5                 | 10                  | 1                    | 2       | ND            | ND         | ND       | 3          |                     |   |   |
| 7            | A48-002 BH | 3.5-5.0                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 8            | 100 PPB    | BTEX                      | X                   | 105                  | 101     | 104           | 210        | 107      | 627        | X                   | X | X |
| 9            | AIR BLANK  | X                         | X                   | ND                   | 1       | ND            | ND         | ND       | 1          | X                   | X | X |
| 10           | A48-002 BH | 8.5-10.0                  | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 11           | A48-002 BH | 13.5-15.0                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 12           | A48-002 BH | 18.5-20.0                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 13           | A48-002 BH | 23.5-25.0                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 14           | A48-002 BH | 28.5-29.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 15           | 100 PPB    | BTEX                      | X                   | 95                   | 89      | 92            | 181        | 97       | 554        | X                   | X | X |
| 16           | AIR BLANK  | X                         | X                   | ND                   | 1       | ND            | ND         | ND       | 1          | X                   | X | X |
| 17           | A48-002 BH | 33.5-34.5                 | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |
| 18           | A48-002 BH | 38.5-39.5                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 19           | A48-003 BH | 3.5-5.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 20           | A48-003 BH | 8.5-10.0                  | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |                     |   |   |

| Calibration Information |                | Analytes |         |                   |                |          |  |  |  |  |
|-------------------------|----------------|----------|---------|-------------------|----------------|----------|--|--|--|--|
|                         |                | Benzene  | Toluene | Ethyl-<br>benzene | m,p-<br>Xylene | o-Xylene |  |  |  |  |
| 0.1<br>ppm              | Retention Time | 67.6     | 140.1   | 293.6             | 316.5          | 373.3    |  |  |  |  |
|                         | Response       | 159.9    | 82.7    | 49.5              | 41.7           | 8.5      |  |  |  |  |
| 1 ppm                   | Retention Time | 68.1     | 141.2   | 292.8             | 316.5          | 374.3    |  |  |  |  |
|                         | Response       | 1949     | 933.6   | 1226              | 873.8          | 187.2    |  |  |  |  |
| 10 ppm                  | Retention Time | 68.5     | 141.0   | 294.6             | 317.3          | 372.6    |  |  |  |  |
|                         | Response       | 11033    | 13245   | 9762              | 7567           | 1659     |  |  |  |  |

OPERATOR: J. Byrd Jr

DATE: 9 Nov 94

# FIELD GC DATA SUMMARY

SITE: Coon Bay ANG S  
 GAIN: 1,000  
 CARRIER GAS FLOW: 12  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 470 sec

| Analysis No.  | Boring                   | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |                |                |                |                |                |             | Additional Analytes |             |
|---------------|--------------------------|---------------------------|---------------------|----------------------|----------------|----------------|----------------|----------------|----------------|-------------|---------------------|-------------|
|               |                          |                           |                     | Benzene              | Toluene        | Ethyl-benzene  | m,p-Xylene     | o-Xylene       | TOTAL BTEX     |             |                     |             |
| 21            | A48-003 BH               | 13.5-15.0                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 22            | 100 PPB                  | BTEX                      |                     | 79                   | 76             | 78             | 150            | 81             | 464            |             |                     |             |
| <del>23</del> | <del>RECALIBRATION</del> | <del>AIR BLANK</del>      | <del></del>         | <del>100</del>       | <del>100</del> | <del>100</del> | <del>200</del> | <del>100</del> | <del>600</del> | <del></del> | <del></del>         | <del></del> |
| 23            | AIR BLANK                |                           |                     | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 24            | A48-003 BH               | 18.5-20.0                 | 10                  | ND                   | 1              | ND             | ND             | ND             | 1              |             |                     |             |
| 25            | A48-003 BH               | 23.5-24.5                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 26            | A48-003 BH               | 28.5-30.0                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 27            | A48-003 BH               | 33.5-34.5                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 28            | A48-003 BH               | 36.5-39.5                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 29            | 100 PPB                  | BTEX                      |                     | 100                  | 95             | 90             | 178            | 87             | 550            |             |                     |             |
| 30            | AIR BLANK                |                           |                     | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 31            | FTA-001 BH               | 1.0-2.5                   | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 32            | FTA-001 BH               | 4.5-6.0                   | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 33            | FTA-001 BH               | 8.5-9.5                   | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 34            | FTA-001 BH               | 13.5-14.0                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 35            | FTA-001 BH               | 18.5-19.5                 | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 36            | 100 PPB                  | BTEX                      |                     | 90                   | 83             | 69             | 126            | 64             | 432            |             |                     |             |
|               | Recalibration            |                           |                     | 100                  | 100            | 100            | 200            | 100            | 600            |             |                     |             |
| 37            | AIR BLANK                |                           |                     | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |
| 38            | FTA-003 BH               | 1.0-2.5                   | 10                  | ND                   | ND             | ND             | ND             | ND             | ND             |             |                     |             |

| Calibration Information |                | Analytes |         |               |            |          |  |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |  |
| 0.1 ppm                 | Retention Time |          |         |               |            |          |  |  |
|                         | Response       |          |         |               |            |          |  |  |
| 1 ppm                   | Retention Time |          |         |               |            |          |  |  |
|                         | Response       |          |         |               |            |          |  |  |
| 10 ppm                  | Retention Time |          |         |               |            |          |  |  |
|                         | Response       |          |         |               |            |          |  |  |

OPERATOR: J Byrd Jr

DATE: 9 Nov 94



# FIELD GC DATA SUMMARY

SITE: Cocos Bay ANG-5  
 GAIN: 1.000  
 CARRIER GAS FLOW: 12.5 ml/min

INJECTION VOLUME: 100 µl  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 4.50 sec

| Analysis No. | Boring            | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |              |            |          |            | Additional Analytes |   |
|--------------|-------------------|---------------------------|---------------------|----------------------|---------|--------------|------------|----------|------------|---------------------|---|
|              |                   |                           |                     | Benzene              | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |
| 1            | 100 PPB           | BTEX                      | X                   | CLOGGED SYRINGE      |         |              |            |          |            | X                   | X |
| 2            | 100 PPB           | BTEX                      | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 3            | 1 PPM             | BTEX                      | X                   | 1,000                | 1,000   | 1,000        | 2,000      | 1,000    | 6,000      | X                   | X |
| 4            | 10 PPM            | BTEX                      | X                   | 10,000               | 10,000  | 10,000       | 20,000     | 10,000   | 60,000     | X                   | X |
| 5            | AIR BLANK         | X                         | X                   | 1                    | 2       | 4            | 5          | ND       | 12         | X                   | X |
| 6            | OWD-001 BH        | 1.0-2.5                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 7            | OWD-001 BH        | 4.5-6.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 8            | OWD-001 BH        | 8.5-9.5                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 9            | OWD-001 BH        | 13.5-15.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 10           | OWD-001 BH        | 18.5-20.0                 | 10                  | MISSED SHOT          |         |              |            |          |            |                     |   |
| 11           | 100 PPB           | BTEX                      | X                   | 108                  | 95      | 92           | 183        | 97       | 575        | X                   | X |
| 12           | AIR BLANK         | X                         | X                   | ND                   | ND      | ND           | ND         | ND       | ND         | X                   | X |
| 13           | OWD-001 BH Reshot | 8.5-9.5                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 14           | OWD-001 BH Reshot | 13.5-15.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 15           | OWD-001 BH Reshot | 18.5-20.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 16           | OWD-002 BH        | 1.0-2.5                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 17           | OWD-002 BH        | 4.5-6.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 18           | 100 PPA           | BTEX                      | X                   | 95                   | 83      | 71           | 139        | 81       | 469        | X                   | X |
|              | Recalibration     | X                         | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 19           | AIR BLANK         | X                         | X                   | ND                   | ND      | ND           | ND         | ND       | ND         | X                   | X |

| Calibration Information |                | Analytes |         |              |            |          |  |
|-------------------------|----------------|----------|---------|--------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 59.5     | 122.9   | 256.8        | 276.2      | 327.4    |  |
|                         | Response       | 122.3    | 67.9    | 47.4         | 39.6       | 11.4     |  |
| 1 ppm                   | Retention Time | 60.2     | 123.8   | 255.4        | 276.2      | 326.9    |  |
|                         | Response       | 1760     | 836     | 1261         | 914.7      | 330      |  |
| 10 ppm                  | Retention Time | 60.5     | 123.6   | 257.3        | 276.8      | 325.3    |  |
|                         | Response       | 10896    | 11088   | 8314         | 6567       | 2160     |  |

OPERATOR: JBysdgn

DATE: 10 NOV 94



# FIELD GC DATA SUMMARY

SITE: Coos Bay ANG5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 12.5  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 450 sec

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            | Additional Analytes           |  |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|-------------------------------|--|
|              |               |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                               |  |
| 20           | OWD-002BH     | 8.5-10.0                  | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 21           | OWD-002BH     | 13.5-15.0                 | 10                  | ND                   | ND      | 5             | ND         | ND       | 5          | * OUT OF WINDOW of $\pm 10\%$ |  |
| 22           | OWD-002BH     | 18.5-20.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 23           | OWD-003BH     | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 24           | OWD-003BH     | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 25           | 100 PPB       | BTEX                      |                     | 100                  | 85      | 71            | 130        | 68       | 454        |                               |  |
|              | Recalibration |                           |                     | 100                  | 100     | 100           | 200        | 100      | 600        |                               |  |
| 26           | AIR BLANK     |                           |                     | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 27           | OWD-003BH     | 8.5-9.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 28           | OWD-003BH     | 13.5-14.5                 | 10                  | 24                   | ND      | ND            | ND         | ND       | 24         |                               |  |
| 29           | OWD-003BH     | 13.5-14.5                 | 10                  | 5                    | ND      | ND            | ND         | ND       | 5          |                               |  |
| 30           | OWD-003BH     | 18.5-20.0                 | 10                  | 1                    | ND      | ND            | ND         | ND       | 1          |                               |  |
| 31           | MSS-001BH     | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 32           | 100 PPB       | BTEX                      |                     | 96                   | 92      | 101           | 203        | 104      | 596        |                               |  |
| 33           | AIR BLANK     |                           |                     | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 34           | MSS-001BH     | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 35           | MSS-001BH     | 8.5-10.0                  | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 36           | MSS-002BH     | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 37           | MSS-002BH     | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                               |  |
| 38           | MSS-002BH     | 6.5-10.0                  | 10                  | 103                  | 140     | 135           | 338        | 136      | 852        |                               |  |

| Calibration Information |                | Analytes |         |               |            |          |  |  |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|--|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |  |  |
| 0.1 ppm                 | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |
| 1 ppm                   | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |
| 10 ppm                  | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |

OPERATOR: J. Byrd Jr

DATE: 10 Nov 94

6

INJECTION VOLUME: 100  $\mu$ l  
GC OVEN TEMP: 40°C  
ANALYSIS TIME: 450 sec

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OPERATOR: 4 Byrd Jr

DATE: 10 Nov 94

FIELD GC DATA SUMMARY

SITE: Coos Bay ANG5  
GAIN: 1,000  
CARRIER GAS FLOW: 13  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
GC OVEN TEMP: 40°C  
ANALYSIS TIME: 450 sec 440 sec  
B

| Analysis No. | Boring      | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            | Additional Analytes |   |   |
|--------------|-------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---------------------|---|---|
|              |             |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |   |
| 1            | 100 PPB     | BTEX                      | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X | X |
| 2            | 1 PPM       | BTEX                      | X                   | 1,000                | 1,000   | 1,000         | 2,000      | 1,000    | 6,000      | X                   | X | X |
| 3            | 10 PPM      | BTEX                      | X                   | 10,000               | 10,000  | 10,000        | 20,000     | 10,000   | 60,000     | X                   | X | X |
| 4            | AIR BLANK   | X                         | X                   | 1                    | 2       | 1             | ND         | ND       | 4          | X                   | X | X |
| 5            | A24-001 BH  | 1.0 - 2.5                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 6            | A24-001 BH  | 4.5 - 6.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 7            | A24-001 BH  | 8.5 - 10.0                | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 8            | A24-001 BH  | 13.5 - 15.0               | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 9            | A24-001 BH  | 18.5 - 20.0               | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 10           | 100 PPB     | BTEX                      | X                   | 119                  | 111     | 112           | 233        | 121      | 696        | X                   | X | X |
|              | CALIBRATE   | X                         | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X | X |
| 11           | AIR BLANK   | X                         | X                   | ND                   | ND      | ND            | ND         | ND       | ND         | X                   | X | X |
| 12           | A24-002 BH  | 1.0 - 2.5                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 13           | A24-002 BH  | 4.5 - 6.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 14           | A24-002 BH  | 8.5 - 10.0                | 10                  | ND                   | ND      | 3             | ND         | ND       | 3          |                     |   |   |
| 15           | A24-002 BH  | 13.5 - 15.0               | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 16           | A24-002 BH  | 18.5 - 19.5               | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |   |
| 17           | 100 PPB     | BTEX                      | X                   | 93                   | 79      | 61            | 113        | 51       | 397        | X                   | X | X |
|              | ReCalibrate | X                         | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X | X |
| 18           | AIR BLANK   | X                         | X                   | ND                   | ND      | ND            | ND         | ND       | ND         | X                   | X | X |

| Calibration Information |                | Analytes |         |               |            |          |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 55.7     | 114     | 237.8         | 256        | 303.2    |  |
|                         | Response       | 121.3    | 69.3    | 55.8          | 47.4       | 14.3     |  |
| 1 ppm                   | Retention Time | 56.1     | 113.4   | 238.4         | 256.8      | 304      |  |
|                         | Response       | 1483     | 1003    | 759.2         | 516.2      | 197.5    |  |
| 10 ppm                  | Retention Time | 56.3     | 114.6   | 238.4         | 256.5      | 301.8    |  |
|                         | Response       | 10360    | 10187   | 8020          | 6277       | 2195     |  |

OPERATOR: J Byrd Jr

DATE: 11 NOV 94



# FIELD GC DATA SUMMARY

SITE: COOS BAY ANGUS  
 GAIN: 1,000  
 CARRIER GAS FLOW: 13  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 440 sec

| Analysis No. | Boring     | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            | Additional Analytes |   |
|--------------|------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---------------------|---|
|              |            |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |
| 19           | A24-003 BH | 1.0-2.5                   | 10                  | ND                   | ND      | 2             | ND         | ND       | 2          |                     |   |
| 20           | A24-003 BH | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 21           | A24-003 BH | 8.5-10.0                  | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 22           | A24-003 BH | 13.5-15.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 23           | A24-003 BH | 18.5-20.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 24           | 100 PPB    | A/TEX                     | X                   | 87                   | 94      | 98            | 199        | 104      | 582        | X                   | X |
| 25           | AIR BLANK  | X                         | X                   | ND                   | ND      | ND            | ND         | ND       | ND         | X                   | X |
| 26           | SDB-002 BH | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 27           | SDB-002 BH | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 28           | SDB-002 BH | 8.5-10.0                  | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 29           | SDB-001 BH | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 30           | SDB-001 BH | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 31           | 100 PPB    | A/TEX                     | X                   | 97                   | 88      | 83            | 159        | 90       | 517        | X                   | X |
|              | Resolution | X                         | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X                   | X |
| 32           | AIR BLANK  | X                         | X                   | ND                   | ND      | ND            | ND         | ND       | ND         | X                   | X |
| 33           | SDB-003 BH | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 34           | SDB-003 BH | 4.5-6.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 35           | SDB-003 BH | 8.5-10.0                  | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 36           | SDB-003 BH | 13.5-15.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |
| 37           | SDB-003 BH | 18.5-20.0                 | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |                     |   |

| Calibration Information |                | Analytes |         |               |            |          |  |  |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|--|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |  |  |
| 0.1 ppm                 | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |
| 1 ppm                   | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |
| 10 ppm                  | Retention Time |          |         |               |            |          |  |  |  |
|                         | Response       |          |         |               |            |          |  |  |  |

OPERATOR: J Byrd Jr

DATE: 11 Nov 94



# FIELD GC DATA SUMMARY

SITE: COOS BAY ANG5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 13.1 ml/min

INJECTION VOLUME: 100 µl  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 440 sec

| Analysis No. | Boring    | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |              |            |          |            | Additional Analytes |   |
|--------------|-----------|---------------------------|---------------------|----------------------|---------|--------------|------------|----------|------------|---------------------|---|
|              |           |                           |                     | Benzene              | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |
| 1            | 100 PPB   | BTEX                      | X                   | NO                   | RESULTS |              |            |          |            | X                   | X |
| 2            | 100 PPB   | BTEX                      | X                   | NO                   | RESULTS |              |            |          |            | X                   | X |
| 3            | 1 PPM     | BTEX                      | X                   | BTEX                 | FLAT    | Redo         | STDS       |          |            | X                   | X |
| 4            | 100 PPB   | BTEX                      | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 5            | 1 PPM     | BTEX                      | X                   | 1,000                | 1,000   | 1,000        | 2,000      | 1,000    | 6,000      | X                   | X |
| 6            | 10 PPM    | BTEX                      | X                   | 10,000               | 10,000  | 10,000       | 20,000     | 10,000   | 60,000     | X                   | X |
| 7            | AIR BLANK | X                         | X                   | 2                    | 6       | 26           | 56         | 34       | 124        | X                   | X |
| 8            | AIR BLANK | X                         | X                   | 1                    | 3       | 6            | 9          | ND       | 19         | X                   | X |
| 9            | CB-003 PZ | 3.5-5.0                   | 10                  | ND                   | 1       | 3            | 3          | ND       | 7          |                     |   |
| 10           | CB-003 PZ | 6.5-10.0                  | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 11           | CB-003 PZ | 13.5-15.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 12           | CB-003 PZ | 16.5-20.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 13           | CB-003 PZ | 23.5-24.5                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 14           | 100 PPB   | BTEX                      | X                   | 87                   | 98      | 93           | 189        | 103      | 570        | X                   | X |
| 15           | AIR BLANK | X                         | X                   | ND                   | ND      | ND           | ND         | ND       | ND         | X                   | X |
| 16           | CB-004 PZ | 1.0-2.5                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 17           | CB-004 PZ | 6.5-10.0                  | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 18           | CB-004 PZ | 13.5-14.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 19           | CB-004 PZ | 16.5-19.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 20           | CB-004 PZ | 20.5-29.0                 | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |

| Calibration Information |                | Analytes |         |              |            |          |  |
|-------------------------|----------------|----------|---------|--------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 63.1     | 130.4   | 273.3        | 294.1      | 346.6    |  |
|                         | Response       | 217.6    | 85.9    | 53.5         | 41.8       | 6.5      |  |
| 1 ppm                   | Retention Time | 63.4     | 130.5   | 271.7        | 293        | 345      |  |
|                         | Response       | 2242     | 1452    | 1178         | 762.5      | 136      |  |
| 10 ppm                  | Retention Time | 63.4     | 131     | 273.6        | 294.6      | 346      |  |
|                         | Response       | 12792    | 12549   | 8871         | 6359       | 1183     |  |

OPERATOR: J. Byrd Jr

DATE: 12 Nov 94



# FIELD GC DATA SUMMARY

SITE: Corn Bay ANG  
 GAIN: 1,000  
 CARRIER GAS FLOW: 13 ul/min

INJECTION VOLUME: 100 ul  
 GC OVEN TEMP: 35°C 40°C  
 ANALYSIS TIME: 440 sec

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |              |            | Additional Analytes |  |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|---------------|------------|--------------|------------|---------------------|--|
|              |               |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene     | TOTAL BTEX |                     |  |
| 1            | 100 PPB       | BTEX                      | X                   | O-XLEMP              | NLT     | Present       | ↑          | Over to 40°C |            |                     |  |
| 2            | 100 PPB       | BTEX                      | X                   | 100                  | 100     | 100           | 200        | 100          | 600        |                     |  |
| 3            | 1 PPM         | BTEX                      | X                   | 1,000                | 1,000   | 1,000         | 2,000      | 1,000        | 6,000      |                     |  |
| 4            | 10 PPM        | BTEX                      | X                   | 10,000               | 10,000  | 10,000        | 20,000     | 10,000       | 60,000     |                     |  |
| 5            | AIR BLANK     | AIR blank                 | X                   | 5                    | 10      | 21            | 45         | 16           | 87         |                     |  |
| 6            | CB-002 PZ     | 1.0-1.5                   | 10                  | ND                   | 1       | 3             | 4          | ND           | 8          |                     |  |
| 7            | CB-002 PZ     | 8.5-9.5                   | 10                  | 1                    | 3       | 8             | 12         | ND           | 24         |                     |  |
| 8            | CB-002 PZ     | 13.5-14.5                 | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 9            | CB-002 PZ     | 16.5-19.5                 | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 10           | CB-002 PZ     | 8.5-9.5                   | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 11           | 100 PPB       | BTEX                      | X                   | 86                   | 87      | 78            | 152        | 54           | 457        |                     |  |
|              | Recalibration |                           | X                   | 100                  | 100     | 100           | 200        | 100          | 600        |                     |  |
| 12           | AIR BLANK     |                           | X                   | ND                   | 1       | ND            | ND         | ND           | 1          |                     |  |
| 13           | CB-002 PZ     | 23.5-24.5                 | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 14           | CB-002 PZ     | 26.5-29.5                 | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 15           | CB-002 PZ     | 33.5-34.0                 | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 16           | CB-001 PZ     | 1.0-2.5                   | 10                  | ND                   | ND      | ND            | ND         | ND           | ND         |                     |  |
| 17           | CB-001 PZ     | 8.5-10.0                  | 10                  | ND                   | ND      | 3             | ND         | ND           | 3          |                     |  |
| 18           | 100 PPB       | BTEX                      | X                   | 87                   | 78      | 72            | 127        | 70           | 434        |                     |  |
|              | Recalibrate   |                           | X                   | 100                  | 100     | 100           | 200        | 100          | 600        |                     |  |

| Calibration Information |                | Analytes |         |               |            |          |                          |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--------------------------|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |                          |
| 0.1 ppm                 | Retention Time | 56.0     | 114.4   | 244.8         | 264.2      | 316.5    | → changed. See Next Page |
|                         | Response       | 215.6    | 96.8    | 58.4          | 46.9       | 13.7     |                          |
| 1 ppm                   | Retention Time | 59.8     | 122.1   | 253.6         | 273.3      | 322.1    | → " " "                  |
|                         | Response       | 2130     | 1513    | 1151          | 757.8      | 203      |                          |
| 10 ppm                  | Retention Time | 59.8     | 122.4   | 255.2         | 274.4      | 322.6    |                          |
|                         | Response       | 13359    | 12578   | 8883          | 6460       | 1938     |                          |

OPERATOR: ABYULJK

DATE: 14 Nov 94





10

INJECTION VOLUME: 100  $\mu$ l  
GC OVEN TEMP: 40  $^{\circ}$ C  
ANALYSIS TIME: 4.30 sec

J Byrd Jr

OPERATOR: JBW/GR

DATE: 15 Nov 94

# FIELD GC DATA SUMMARY

SITE: Cass Bay ANG-5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 13  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: 430 min

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |              |            |          |            | Additional Analytes |   |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|--------------|------------|----------|------------|---------------------|---|
|              |               |                           |                     | Benzene              | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | TOTAL BTEX |                     |   |
| 1            | 100 PPB       | BTEX                      | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 2            | 1 PPM         | BTEX                      | X                   | 1,000                | 1,000   | 1,000        | 2,000      | 1,000    | 6,000      | X                   | X |
| 3            | 10 PPM        | BTEX                      | X                   | 10,000               | 10,000  | 10,000       | 20,000     | 10,000   | 60,000     | X                   | X |
| 4            | AIR BLANK     | X                         | X                   | 2                    | 4       | 18           | 31         | ND       | 55         | X                   | X |
| 5            | MSS-004 BH    | 8.5-9.5                   | 10                  | 1                    | 2       | 4            | 5          | ND       | 12         |                     |   |
| 6            | SF-003 BH     | 1.0-2.0                   | 10                  | 1                    | 2       | 2            | ND         | ND       | 5          |                     |   |
| 7            | SF-001 BH     | 4.5-5.5                   | 10                  | ND                   | 1       | ND           | ND         | ND       | 1          |                     |   |
| 8            | TS-002 BH     | 1.0-2.0                   | 10                  | ND                   | 1       | ND           | ND         | ND       | 1          |                     |   |
| 9            | A40-002 BH    | 4.5                       | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 10           | 100 PPB       | BTEX                      | X                   | 84                   | 95      | 92           | 186        | 88       | 545        | X                   | X |
|              | Recalibration | X                         | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 11           | AIR BLANK     | X                         | X                   | ND                   | ND      | ND           | ND         | ND       | ND         | X                   | X |
| 12           | SF-002 BH     | 1.0-2.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 13           | TS-002 BH     | 4.0-5.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 14           | A40-002 BH    | 1.0-2.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 15           | TS-003 BH     | 8.0-9.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 16           | MSS-004 BH    | 1.0-2.0                   | 10                  | ND                   | ND      | ND           | ND         | ND       | ND         |                     |   |
| 17           | 100 PPB       | BTEX                      | X                   | 90                   | 83      | 79           | 144        | 71       | 467        | X                   | X |
|              | Recalibrate   | X                         | X                   | 100                  | 100     | 100          | 200        | 100      | 600        | X                   | X |
| 18           | AIR BLANK     | X                         | X                   | ND                   | ND      | ND           | ND         | ND       | ND         | X                   | X |

DONE FOR DAY

| Calibration Information |                | Analytes |         |              |            |          |  |
|-------------------------|----------------|----------|---------|--------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 59.0     | 120.4   | 250.4        | 269.3      | 315.4    |  |
|                         | Response       | 186.8    | 69.3    | 38.6         | 27.3       | 4.6      |  |
| 1 ppm                   | Retention Time | 59.7     | 121.0   | 252.0        | 271.2      | 318.4    |  |
|                         | Response       | 1953     | 1380    | 1032         | 612.8      | 146.6    |  |
| 10 ppm                  | Retention Time | 60.0     | 121.4   | 252.8        | 272.0      | 318.9    |  |
|                         | Response       | 12608    | 11086   | 7589         | 5120       | 1077     |  |

OPERATOR: J Byrd Jr

DATE: 17 Nov 94



# FIELD GC DATA SUMMARY

SITE: Cass Bay ANG-5  
 GAIN: 1,000  
 CARRIER GAS FLOW: 13  $\mu$ l/min

INJECTION VOLUME: 100  $\mu$ l  
 GC OVEN TEMP: 40°C  
 ANALYSIS TIME: # 430 sec

| Analysis No. | Boring        | Sample Interval (ft. BLS) | Sample Mass (grams) | Concentrations (ppb) |         |               |            |          |            |   | Additional Analytes |  |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|---------------|------------|----------|------------|---|---------------------|--|
|              |               |                           |                     | Benzene              | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene | TOTAL BTEX |   |                     |  |
| 1            | 100 PPB       | BTEX                      | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X | X                   |  |
| 2            | 1 PPM         | BTEX                      | X                   | 1,000                | 1,000   | 1,000         | 2,000      | 1,000    | 6,000      | X | X                   |  |
| 3            | 10 PPM        | BTEX                      | X                   | 10,000               | 10,000  | 10,000        | 20,000     | 10,000   | 60,000     | X | X                   |  |
| 4            | AIR BLANK     | X                         | X                   | 7                    | 41      | 95            | 208        | 97       | 448        | X | X                   |  |
| 5            | SF-001 BH     | 1.0-2.0                   | 10                  | 1                    | 3       | 6             | ND         | ND       | 10         |   |                     |  |
| 6            | SF-003 BH     | 5.5-6.5                   | 10                  | 1                    | 2       | 3             | ND         | ND       | 6          |   |                     |  |
| 7            | TS-002 BH     | 8.0-9.0                   | 10                  | 1                    | 2       | 2             | ND         | ND       | 5          |   |                     |  |
| 8            | A40-003 BH    | 1.0-2.0                   | 10                  | 1                    | 2       | 2             | ND         | ND       | 5          |   |                     |  |
| 9            | SF-002 BH     | 5.0-6.0                   | 10                  | ND                   | 1       | ND            | ND         | ND       | 1          |   |                     |  |
| 10           | 100 PPB       | BTEX                      | X                   | 115                  | 122     | 119           | 249        | 108      | 713        | X | X                   |  |
|              | Recalibration | X                         | X                   | 100                  | 100     | 100           | 200        | 100      | 600        | X | X                   |  |
| 11           | AIR BLANK     | X                         | X                   | 1                    | 1       | ND            | ND         | ND       | 2          | X | X                   |  |
| 12           | TS-003 BH     | 1.0-2.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |
| 13           | MSS-004 BH    | 4.0-5.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |
| 14           | A40-003 BH    | 7.0-8.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |
| 15           | A40-002 BH    | 8.5-9.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |
| 16           | A40-003 BH    | 4.0-5.0                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |
| 17           | 100 PPB       | BTEX                      | X                   | 99                   | 107     | 104           | 208        | 95       | 613        | X | X                   |  |
| 18           | AIR BLANK     | X                         | X                   | ND                   | ND      | ND            | ND         | ND       | ND         | X | X                   |  |
| 19           | TS-003 BH     | 4.5-5.5                   | 10                  | ND                   | ND      | ND            | ND         | ND       | ND         |   |                     |  |

RECALIB 59.6 120.6 250.1 268.5 314.9

| Calibration Information |                | Analytes |         |               |            |          |  |
|-------------------------|----------------|----------|---------|---------------|------------|----------|--|
|                         |                | Benzene  | Toluene | Ethyl-benzene | m,p-Xylene | o-Xylene |  |
| 0.1 ppm                 | Retention Time | 58.1     | 118.1   | 246.4         | 264.2      | 309.6    |  |
|                         | Response       | 146.5    | 52.0    | 24.3          | 14.2       | 2.4      |  |
| 1 ppm                   | Retention Time | 58.8     | 118.6   | 248.0         | 266.4      | 313.0    |  |
|                         | Response       | 1827     | 1091    | 648           | 373        | 90.7     |  |
| 10 ppm                  | Retention Time | 59.1     | 119.6   | 248.5         | 266.6      | 312.5    |  |
|                         | Response       | 11833    | 7935    | 4651          | 2986       | 634.8    |  |

OPERATOR: Byrd Jr

DATE: 18 Nov 94

## FIELD GC DATA SUMMARY

SITE: Corn Bay ANG-S  
GAIN: 1000  
CARRIER GAS FLOW: 13 ul/min

INJECTION VOLUME: 100 µl  
GC OVEN TEMP: 40°C  
ANALYSIS TIME: 430 sec

| Analysis No. | Boring        | Sample Interval (ft. ELS) | Sample Mass (grams) | Concentrations (ppb) |         |              |            |          |                     |              |              |
|--------------|---------------|---------------------------|---------------------|----------------------|---------|--------------|------------|----------|---------------------|--------------|--------------|
|              |               |                           |                     | Benzene              | Toluene | Ethylbenzene | m,p-Xylene | o-Xylene | Additional Analytes |              |              |
|              |               |                           |                     |                      |         |              |            |          | TOTAL BTEX          |              |              |
| 20           | CB-001 PZ     | WATER                     | 10ml                | ND                   | ND      | ND           | ND         | ND       | ND                  |              |              |
| 21           | CB-002 PZ     | water                     | 10ml                | ND                   | ND      | ND           | ND         | ND       | ND                  |              |              |
| 22           | CB-004 PZ     | water                     | 10ml                | ND                   | ND      | ND           | ND         | ND       | ND                  |              |              |
| 23           | 100 PPB       | BTEX                      | <del>X</del>        | 91                   | 93      | 83           | 153        | 78       | 493                 | <del>X</del> | <del>X</del> |
|              | Recalibration | <del>X</del>              | <del>X</del>        | 100                  | 100     | 100          | 200        | 100      | 600                 | <del>X</del> | <del>X</del> |
| 24           | AIR BLANK     | <del>X</del>              | <del>X</del>        | ND                   | ND      | ND           | ND         | ND       | ND                  | <del>X</del> | <del>X</del> |
| 25           | CB-003 PZ     | water                     | 10ml                | ND                   | ND      | ND           | ND         | ND       | ND                  |              |              |
| 26           | CB-005 PZ     | water                     | 10ml                | ND                   | ND      | ND           | ND         | ND       | ND                  |              |              |
| 27           | 100 PPB       | BTEX                      | <del>X</del>        | 150                  | 101     | 69           | 116        | ND       | 436                 |              |              |
|              |               |                           |                     |                      |         |              |            |          |                     |              |              |
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OPERATOR: J. Byrd Jr

DATE: 18 Nov 94

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Stamp: 0171694-1860 9, 24 10, 20

Slope: Down  $-1.500 \text{ mV/Sec}$

Min Gain 0.000 mV/3C

Min Height 0.000 in

Analysis by J. W. C. C. C.

WINDHOLM Percent: 20.0

$$\frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla \psi|^2 dx = \frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla \psi|^2 dx = \frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla \psi|^2 dx = \frac{1}{2} \frac{d}{dt} \int_{\mathbb{R}^n} |\nabla \psi|^2 dx$$

647 *Environ. Biol. Fish.* (2015) 98:641–653

Avg. Flow 3 m<sup>3</sup>/min

Oven Temp 40 C

Amb. Temp 26.0

115. 64.00 100.00

Analysis Time: 34.0 sec.

### Final Report

| No. | Compound Name | Area/Conc  | R.F.  |
|-----|---------------|------------|-------|
| 1   | Unknown       | 14.76 mVS  | 12.1  |
| 2   | Unknown       | 18.54 mVS  | 13.6  |
| 3   | Unknown       | 80.36 mVS  | 20.7  |
| 4   | Unknown       | 0.034 mVS  | 50.8  |
| 5   | Unknown       | 186.10 mVS | 60.6  |
| 6   | Unknown       | 8.923 mVS  | 76.9  |
| 7   | Unknown       | 98.73 mVS  | 124.5 |
| 8   | Unknown       | 4.684 mVS  | 229.6 |
| 9   | Unknown       | 64.59 mVS  | 259.4 |
| 10  | Unknown       | 52.83 mVS  | 279.4 |
| 11  | Unknown       | 20.46 mVS  | 281.2 |

Notes:

Joe Byrd, Jr.

Code: Bay AG3

6 Nov 1994

100 ppb STEA

0 2 4 6 8 10  
(x 10 mV)

Time Printed: Nov 8, 94 10:25

Sample Time: Nov 8, 94 10:07

## Method

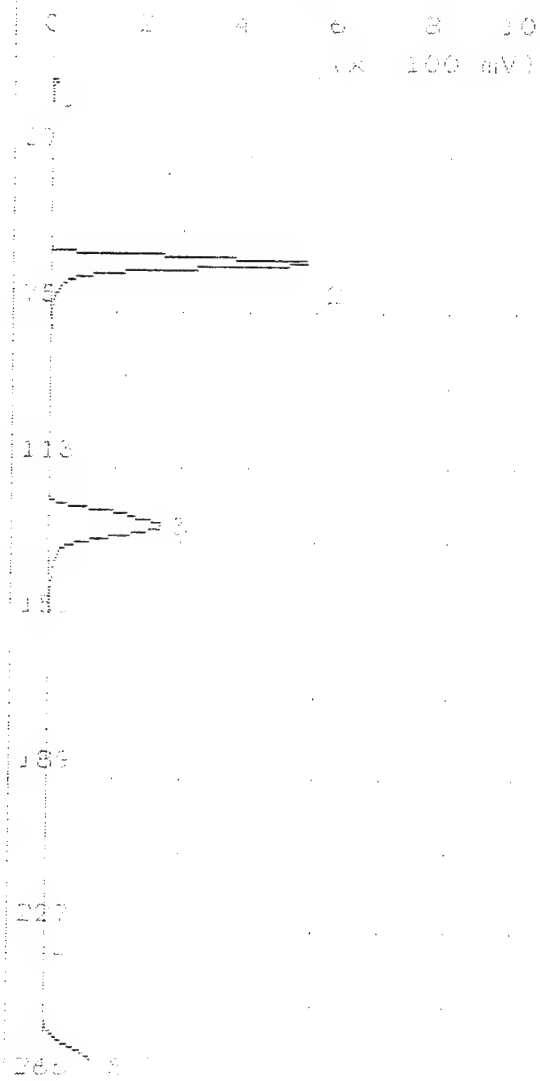
Slope Up 0.500 mV/sec  
Slope Down 1.500 mV/sec  
Min Area 0.000 mVsec  
Min Height 0.000 mV  
Analysis Delay 0.0 sec  
Window Percent 20.0 %  
Det Flow 12 ml/min  
B/F Flow 12 ml/min  
Aux Flow 0 ml/min  
Oven Temp 40 C  
Amb Temp 25 C  
Max Gain 1000  
Analysis Time 530.0 sec

## Peak Report

| Pk | Compound Name | Area/Conc | R.T.  |
|----|---------------|-----------|-------|
| 1  | Unknown       | 21.77 mVS | 16.7  |
| 2  | Unknown       | 15.84 mVS | 18.3  |
| 3  | Unknown       | 80.36 mVS | 20.7  |
| 4  | Unknown       | 0.034 mVS | 53.8  |
| 5  | Benzene       | 100.0 ppb | 60.8  |
| 6  | Unknown       | 6.923 mVS | 76.9  |
| 7  | Toluene       | 100.0 ppb | 124.5 |
| 8  | Unknown       | 4.684 mVS | 229.6 |
| 9  | Ethylbenzene  | 100.0 ppb | 359.4 |
| 10 | m,p-Xylene    | 200.0 ppb | 279.4 |
| 11 | o-Xylene      | 100.0 ppb | 331.2 |

## Notes

Joe Byrd, Jr.  
Coos Bay ACS  
8 Nov 1994  
100 ppb BTEX



Time Printed: Nov 8.94 10:38

Sample Time: Nov 8.94 10:28

## Method

Slope Up 0.500 mV/Sec  
 Slope Down 1.500 mV/Sec  
 Min Area 0.000 mVSec  
 Min Height 0.000 mV  
 Analysis Delay 0.0 sec  
 Window Percent 20.0 %  
 Det Flow 12 ml/min  
 B/F Flow 12 ml/min  
 Aux Flow 0 ml/min  
 Oven Temp 40 C  
 Amb Temp 27 C  
 Max Gain 1000  
 Analysis Time 540.0 sec

## Peak Report

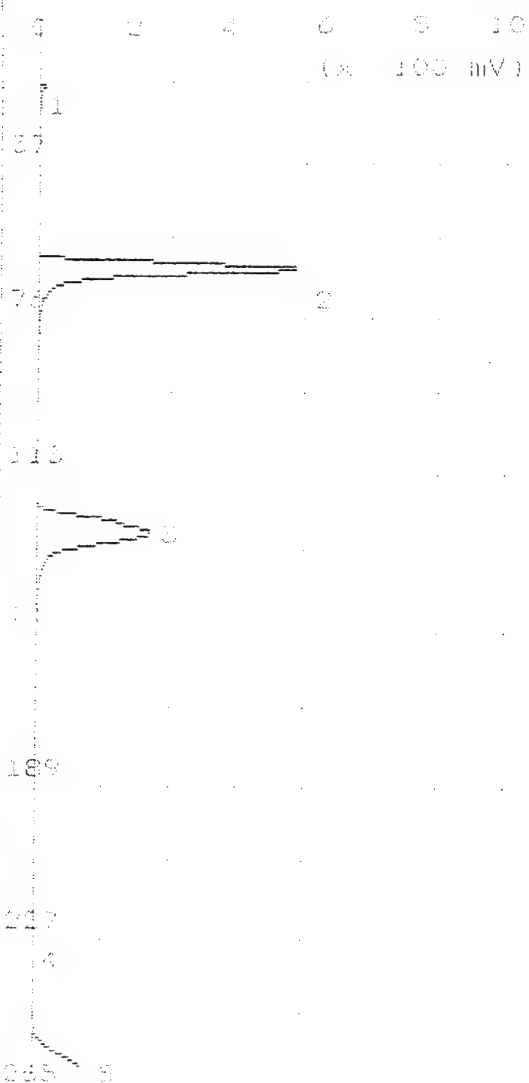
| PK | Compound Name | Area/Conc | R.T.  |
|----|---------------|-----------|-------|
| 1  | Unknown       | 68.87 mVS | 1.7   |
| 2  | Benzene       | 1.092 ppm | 61.3  |
| 3  | Toluene       | 1.814 ppm | 125.2 |
| 4  | Unknown       | 3.568 mVS | 229.8 |
| 5  | Ethylbenzene  | 2.318 ppm | 257.0 |
| 6  | m,p-Xylene    | 4.041 ppm | 278.4 |
| 7  | o-Xylene      | 2.677 ppm | 331.2 |



Notes

Coos Bay ANGUS  
8 NOV 1994  
1 ppm BTEX

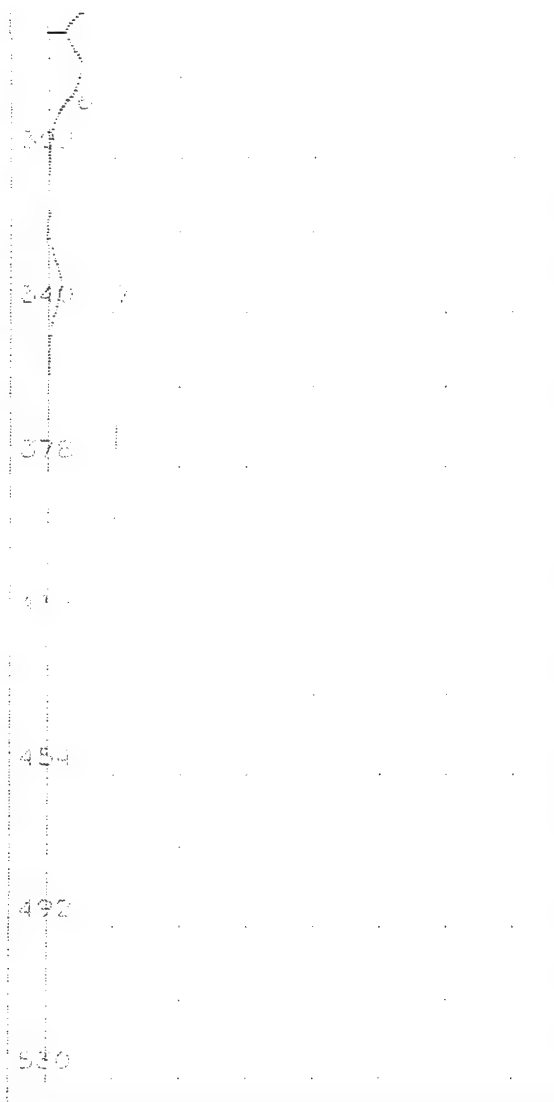
# Analysis #12 10S+ GC Function Analysis Report



Time Printed: Nov 8.94 10:49  
 Sample Time: Nov 8.94 10:29  
 Method  
 Slope Up 0.500 mV/Sec  
 Slope Down 1.500 mV/Sec  
 min Area 0.000 mVSec  
 min Height 0.000 mV  
 Analysis Delay 0.0 sec  
 Window Percent 10.0 %  
 Det Flow 12 ml/min  
 B/F Flow 12 ml/min  
 Aux Flow 0 ml/min  
 Oven Temp 40 °C  
 Amb Temp 27 °C  
 Max Gain 1000  
 Data File 1.12

## Peak Report

| PK | Compound Name | Area/Conc | R.T. |
|----|---------------|-----------|------|
| 1  | Unknown       | 69.37 mV  | 1.2  |
| 2  | Benzene       | 1.000 ppm | 1.3  |
| 3  | Toluene       | 1.000 ppm | 1.8  |
| 4  | Unknown       | 3.568 mV  | 2.1  |
| 5  | Ethylbenzene  | 1.000 ppm | 2.5  |
| 6  | m,p-Xylene    | 2.000 ppm | 2.7  |
| 7  | o-Xylene      | 1.000 ppm | 3.1  |



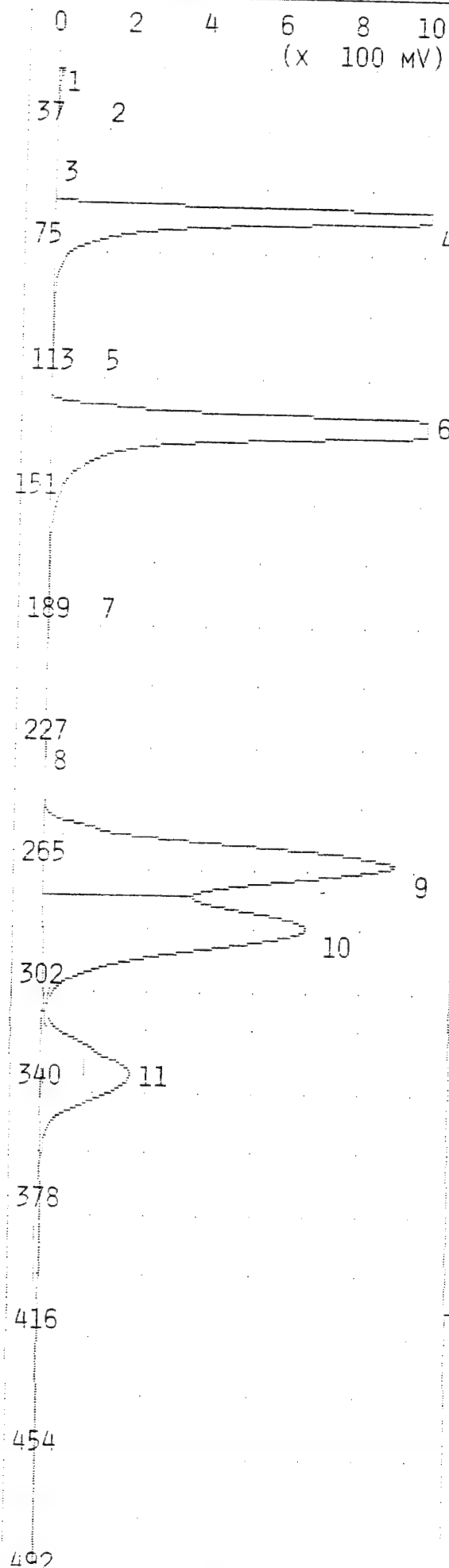
## Notes

Joe Byrd, Jr.  
Coos Bay ANG  
8 Nov 1994  
1 ppm BTEX



## ANALYSIS #3

## 10S+ GC FUNCTION ANALYSIS REPORT



(x 100 MV)

TIME PRINTED: NOV 8,94 11:03  
SAMPLE TIME: NOV 8,94 10:54

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 20.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000

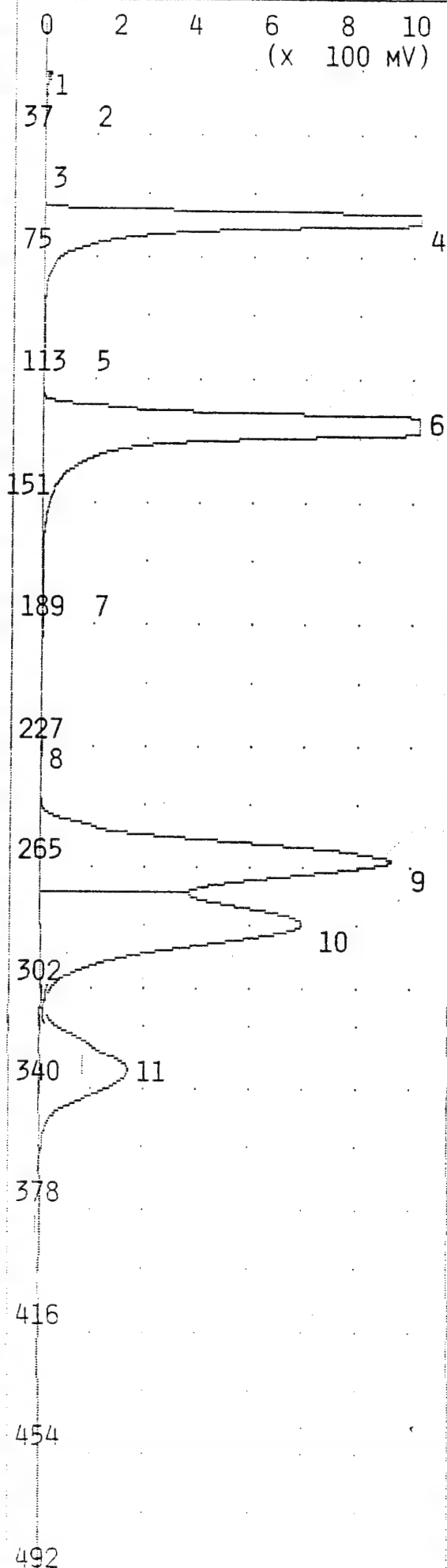
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 18.35 MVS | 16.6  |
| 2  | UNKNOWN       | 110.4 MVS | 18.2  |
| 3  | UNKNOWN       | 0.105 MVS | 44.0  |
| 4  | BENZENE       | 5.697 PPM | 61.6  |
| 5  | UNKNOWN       | 2.410 MVS | 100.2 |
| 6  | TOLUENE       | 7.829 PPM | 125.2 |
| 7  | UNKNOWN       | 1.672 MVS | 178.8 |
| 8  | UNKNOWN       | 5.605 MVS | 224.6 |
| 9  | ETHYLBENNZENE | 8.347 PPM | 260.2 |
| 10 | M,P-XYLENE    | 19.18 PPM | 280.2 |
| 11 | O-XYLENE      | 8.447 PPM | 332.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
8 NOV 1994  
10 PPM BTEX



TIME PRINTED: Nov 8,94 11:09

SAMPLE TIME: Nov 8,94 10:54

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 20.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

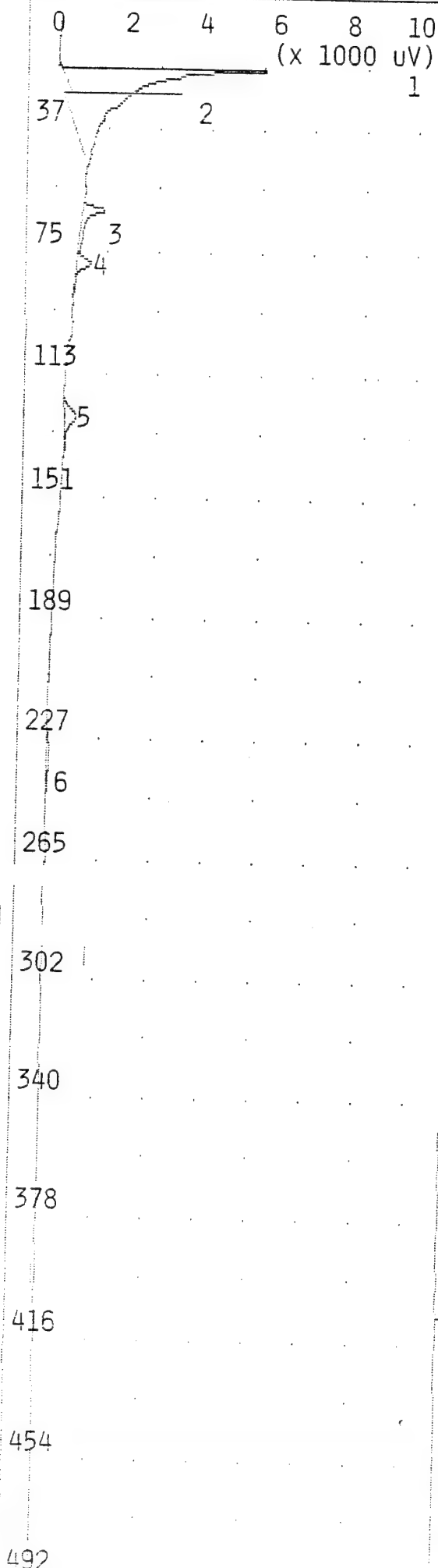
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 18.35 MVS | 16.6  |
| 2  | UNKNOWN       | 110.5 MVS | 18.2  |
| 3  | UNKNOWN       | 0.105 MVS | 44.0  |
| 4  | BENZENE       | 10.00 PPM | 61.6  |
| 5  | UNKNOWN       | 2.410 MVS | 100.2 |
| 6  | TOLUENE       | 10.00 PPM | 125.2 |
| 7  | UNKNOWN       | 1.672 MVS | 178.8 |
| 8  | UNKNOWN       | 5.605 MVS | 224.6 |
| 9  | ETHYLBENNZENE | 10.00 PPM | 260.2 |
| 10 | M,P-XYLENE    | 20.00 PPM | 280.2 |
| 11 | O-XYLENE      | 10.00 PPM | 332.5 |

## NOTES

JOE BYRD, JR.  
COCS BAY ANG  
8 NOV 1994  
10 PPM BTEX



TIME PRINTED: NOV 8,94 11:23

SAMPLE TIME: NOV 8,94 11:14

## METHOD

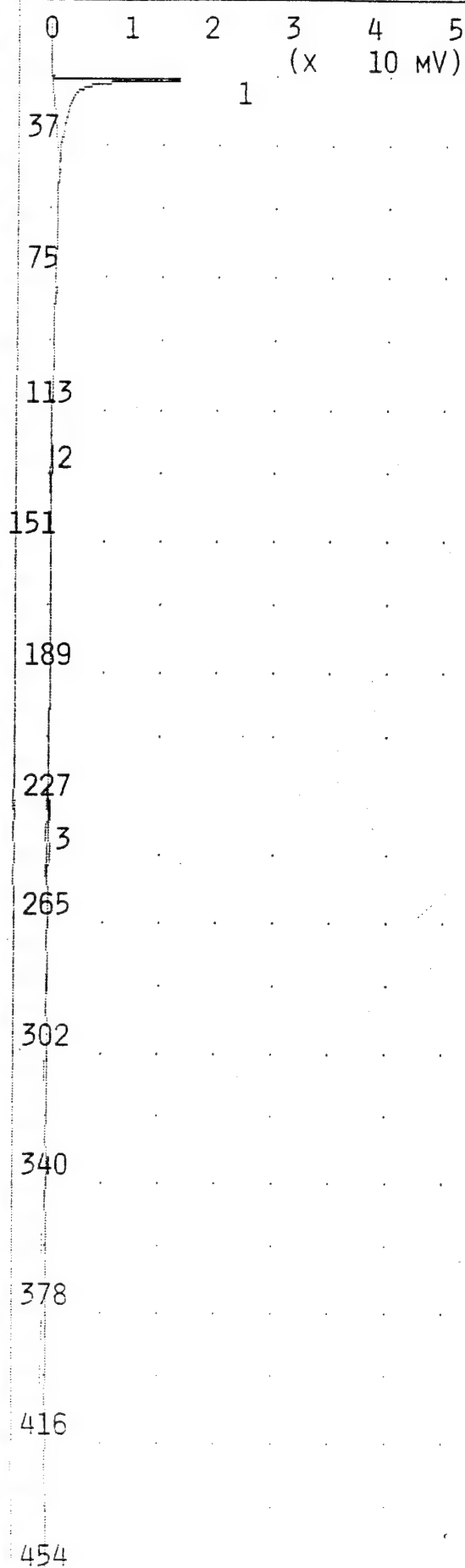
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 20.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 28    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 530.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.783 MVS | 16.8  |
| 2  | UNKNOWN       | 27.53 MVS | 18.7  |
| 3  | BENZENE       | 1.373 PPB | 60.6  |
| 4  | UNKNOWN       | 1.479 MVS | 76.9  |
| 5  | TOLUENE       | 2.072 PPB | 124.6 |
| 6  | ETHYLBENNZENE | 1.800 PPB | 231.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 NOV 1994  
AIR BLANK



TIME PRINTED: NOV 8,94 13:25

SAMPLE TIME: NOV 8,94 13:16

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 20.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

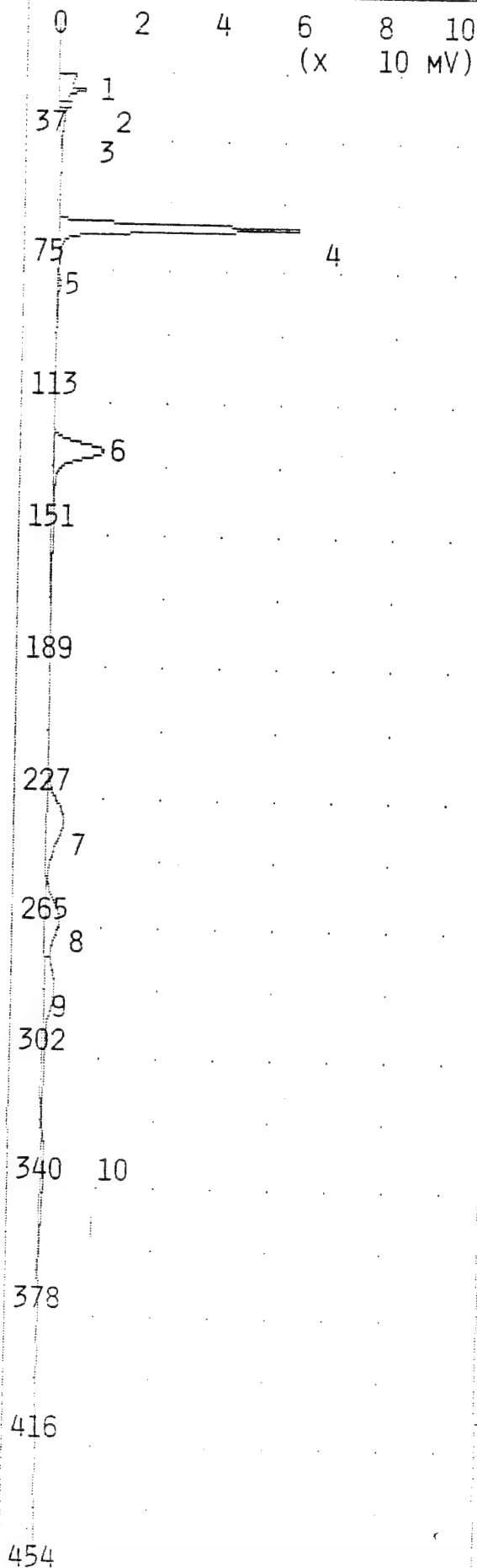
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 54.25 MVS | 16.7  |
| 2  | TOLUENE       | 1.137 PPB | 124.6 |
| 3  | ETHYLBENZENE  | 2.910 PPB | 231.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
A40-001BH 1.0'-2.5'

## ANALYSIS #6

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 13:39

SAMPLE TIME: NOV 8,94 13:30

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 20.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.217 MVS | 16.8  |
| 2  | UNKNOWN       | 5.924 MVS | 18.5  |
| 3  | UNKNOWN       | 27.66 MVS | 20.8  |
| 4  | BENZENE       | 83.21 PPB | 61.0  |
| 5  | UNKNOWN       | 1.847 MVS | 77.2  |
| 6  | TOLUENE       | 76.91 PPB | 124.8 |
| 7  | UNKNOWN       | 61.98 MVS | 231.4 |
| 8  | ETHYLBENNZENE | 72.57 PPB | 260.2 |
| 9  | M,P-XYLENE    | 138.9 PPB | 280.2 |
| 10 | O-XYLENE      | 73.64 PPB | 332.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
100 PPB BTEX

0 2 4 6 8 10  
(x 10 mV)

TIME PRINTED: NOV 8,94 13:44

SAMPLE TIME: NOV 8,94 13:30

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 20.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.217 MVS | 16.8  |
| 2  | UNKNOWN       | 5.924 MVS | 18.5  |
| 3  | UNKNOWN       | 27.66 MVS | 20.8  |
| 4  | BENZENE       | 100.0 PPB | 61.0  |
| 5  | UNKNOWN       | 1.847 MVS | 77.2  |
| 6  | TOLUENE       | 100.0 PPB | 124.8 |
| 7  | UNKNOWN       | 61.98 MVS | 231.4 |
| 8  | ETHYLBENNZENE | 100.0 PPB | 260.2 |
| 9  | M,P-XYLENE    | 200.0 PPB | 280.2 |
| 10 | O-XYLENE      | 99.99 PPB | 332.8 |

## NOTES

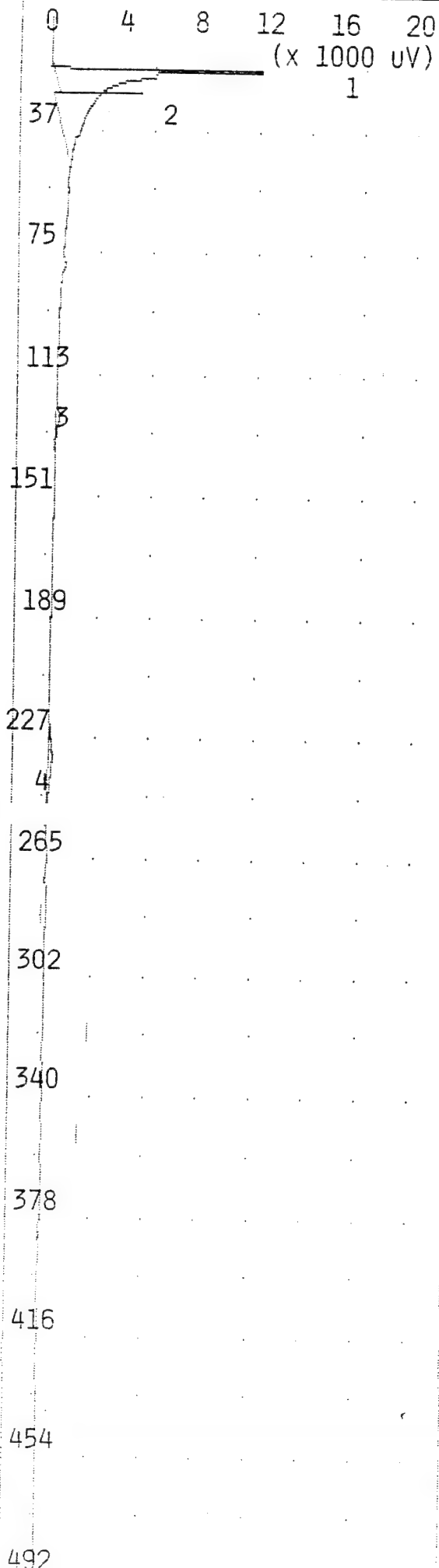
JOE BYRD, JR.

COOS BAY ANG5

8 NOV 1994

100 PPB BTEX

ANALYSIS #7 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 13:59

SAMPLE TIME: Nov 8,94 13:50

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 20.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000  
 ANALYSIS TIME 530.0 SEC

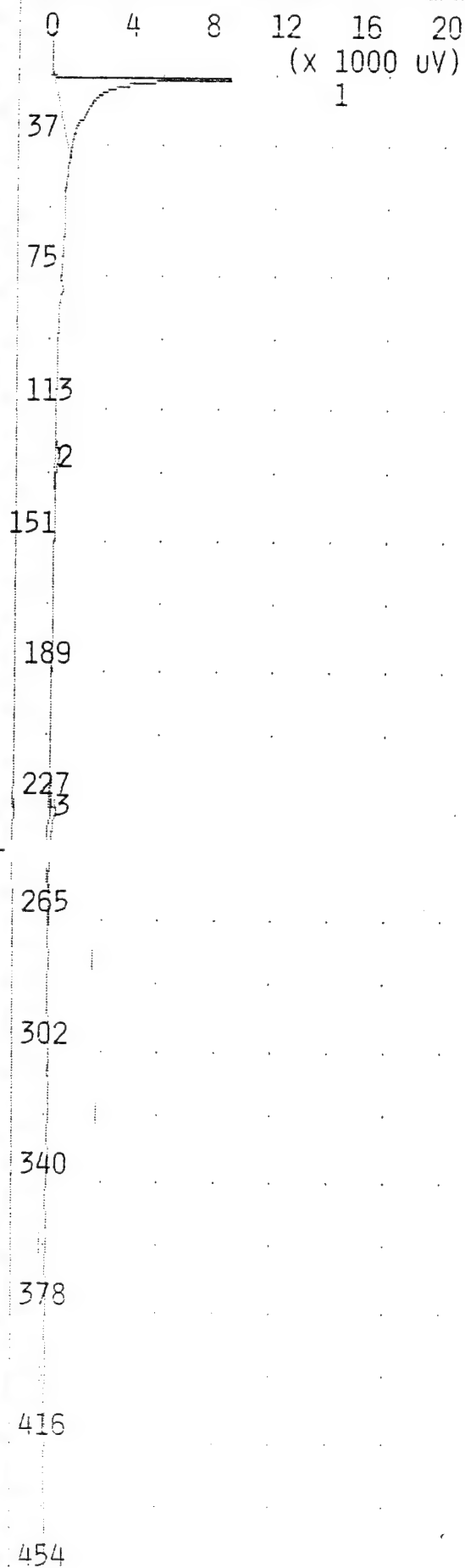
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 13.38 MVS | 16.6  |
| 2  | UNKNOWN       | 41.11 MVS | 18.4  |
| 3  | TOLUENE       | 1.437 PPB | 124.8 |
| 4  | ETHYLBENNZENE | 5.793 PPB | 232.0 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS  
 8 Nov 1994  
 A40-001BH 4.5'-6.0'

## ANALYSIS #8 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 14:13

SAMPLE TIME: NOV 8,94 14:04

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 20.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 36.43 MVS | 16.6  |
| 2  | TOLUENE       | 1.527 PPB | 124.5 |
| 3  | ETHYLBENZENE  | 7.958 PPB | 230.2 |

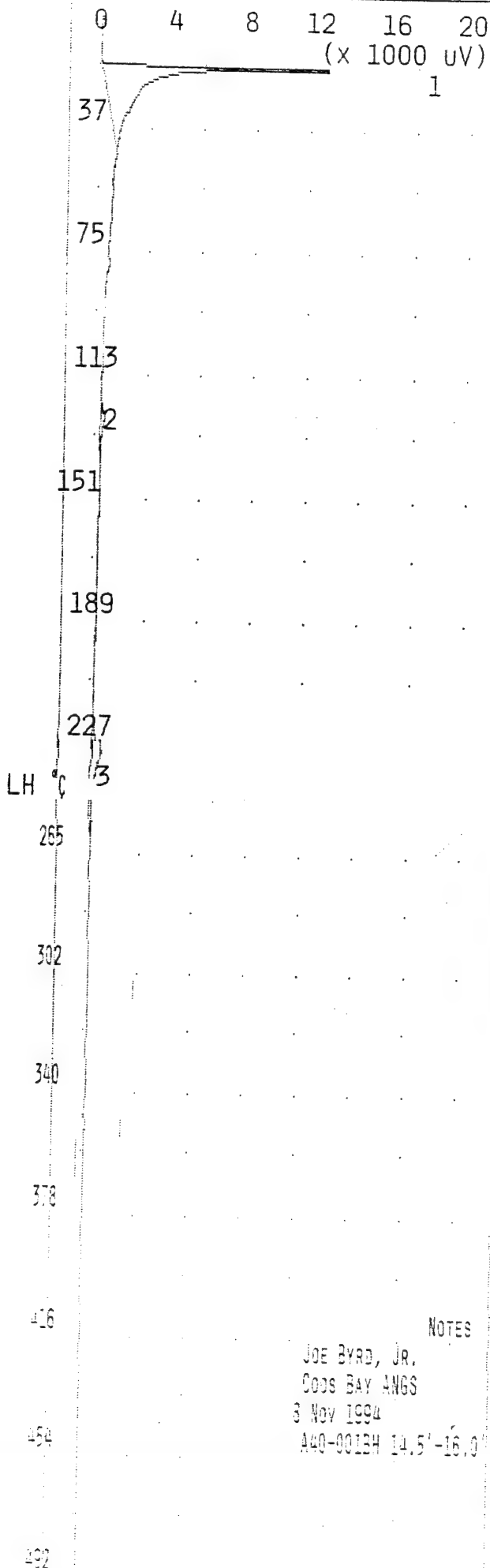
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
A40-001BH 9.0'-10.0'



ANALYSIS #9

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 14:26

SAMPLE TIME: Nov 8,94 14:17

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 20.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

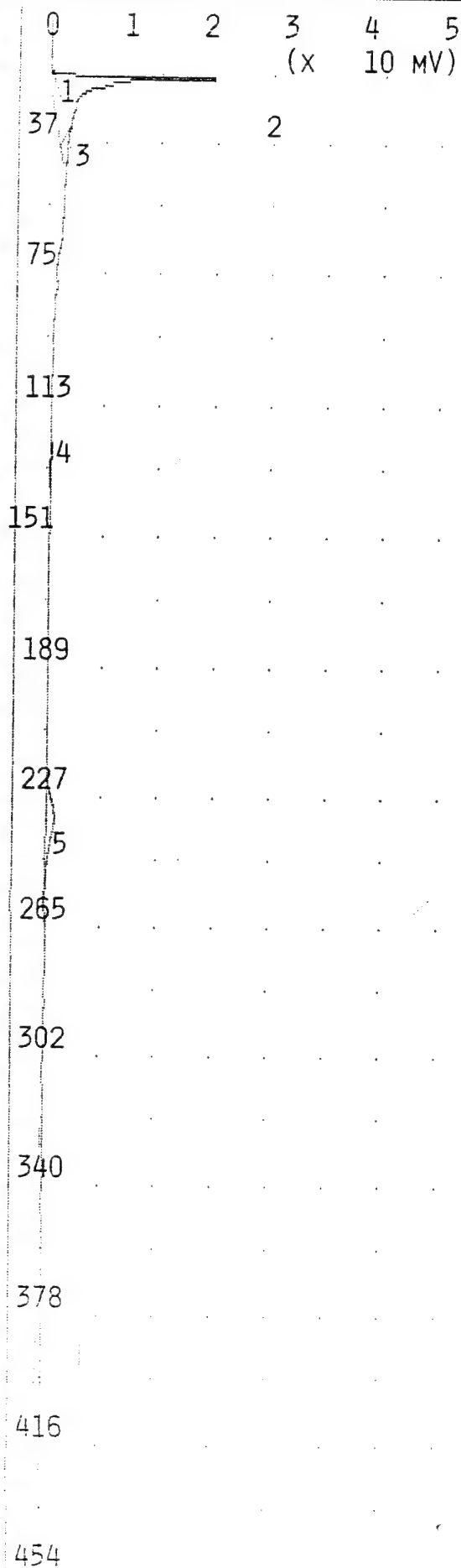
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 46.18 MVS | 16.6  |
| 2  | TOLUENE       | 1.561 PPB | 124.2 |
| 3  | ETHYLBENNZENE | 13.99 PPB | 230.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
3 Nov 1994  
A40-00134 14.5'-16.0'

## ANALYSIS #10

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 14:47

SAMPLE TIME: NOV 8,94 14:38

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.223 MVS | 15.5  |
| 2  | UNKNOWN       | 73.07 MVS | 16.6  |
| 3  | UNKNOWN       | 0.064 MVS | 30.8  |
| 4  | TOLUENE       | 1.626 PPB | 124.1 |
| 5  | UNKNOWN       | 15.74 MVS | 231.0 |

## NOTES

JOE BYRD, JR.

COOS BAY ANG

8 Nov 1994

A40-001BH 18.5'-19.5'

## ANALYSIS #11

## 10S+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: Nov 8,94 15:01

SAMPLE TIME: Nov 8,94 14:52

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.574 MVS | 15.2  |
| 2  | UNKNOWN       | 6.698 MVS | 16.8  |
| 3  | UNKNOWN       | 20.07 MVS | 18.9  |
| 4  | TOLUENE       | 1.111 PPB | 124.8 |
| 5  | UNKNOWN       | 6.719 MVS | 231.0 |

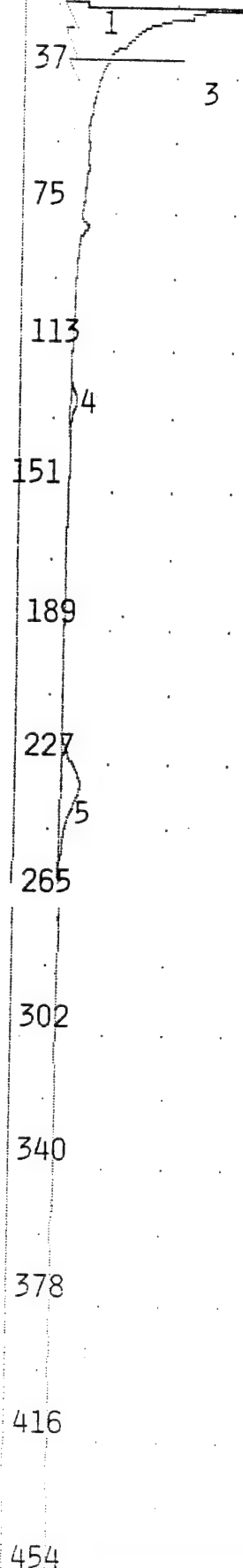
## NOTES

JOE BYRD, JR.

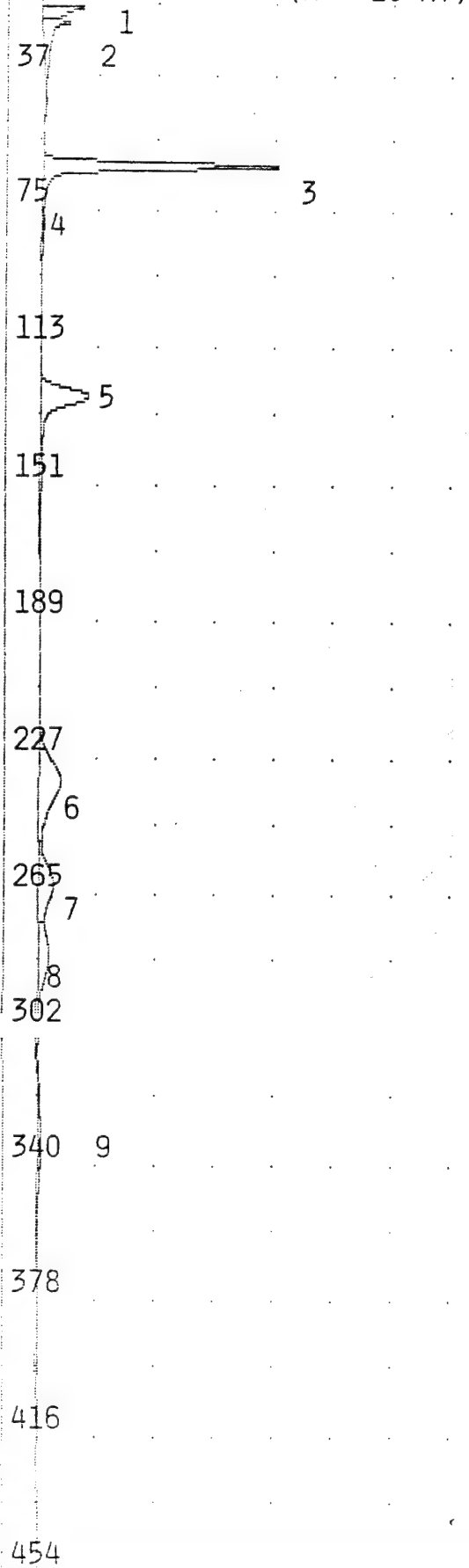
COOS BAY ANG5

8 Nov 1994

BAA-002BH 1.0'-2.5'

0 2 4 6 8 10  
(x 1000 uV)

## ANALYSIS #12 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 8,94 15:15

SAMPLE TIME: NOV 8,94 15:06

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

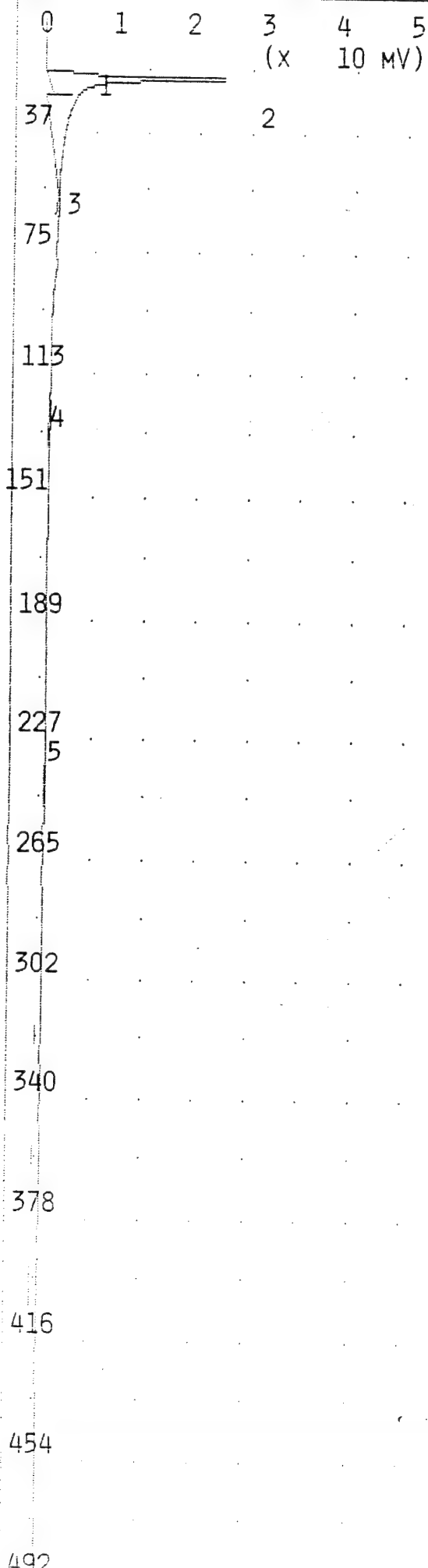
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 23.33 MVS | 16.8  |
| 2  | UNKNOWN       | 34.06 MVS | 20.7  |
| 3  | BENZENE       | 92.00 PPB | 61.0  |
| 4  | UNKNOWN       | 1.470 MVS | 77.0  |
| 5  | TOLUENE       | 99.16 PPB | 124.5 |
| 6  | UNKNOWN       | 78.70 MVS | 231.0 |
| 7  | ETHYLBENNZENE | 100.8 PPB | 259.7 |
| 8  | M,P-XYLENE    | 204.8 PPB | 279.2 |
| 9  | O-XYLENE      | 101.9 PPB | 331.7 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
8 NOV 1994  
100 PPB BTEX

ANALYSIS #13 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 15:28

SAMPLE TIME: NOV 8,94 15:19

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

PEAK REPORT

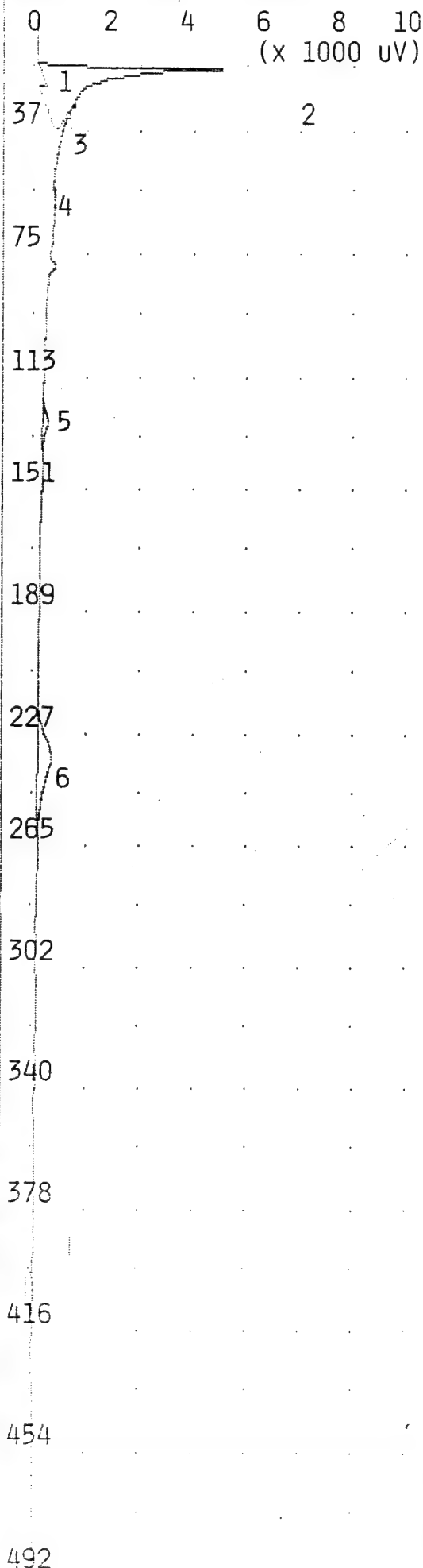
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.207 MVS | 16.8  |
| 2  | UNKNOWN       | 103.7 MVS | 18.2  |
| 3  | UNKNOWN       | 0.029 MVS | 53.8  |
| 4  | TOLUENE       | 1.101 PPB | 124.9 |
| 5  | UNKNOWN       | 1.048 MVS | 230.2 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
AIR BLANK

## ANALYSIS #14

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 15:43

SAMPLE TIME: NOV 8,94 15:35

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

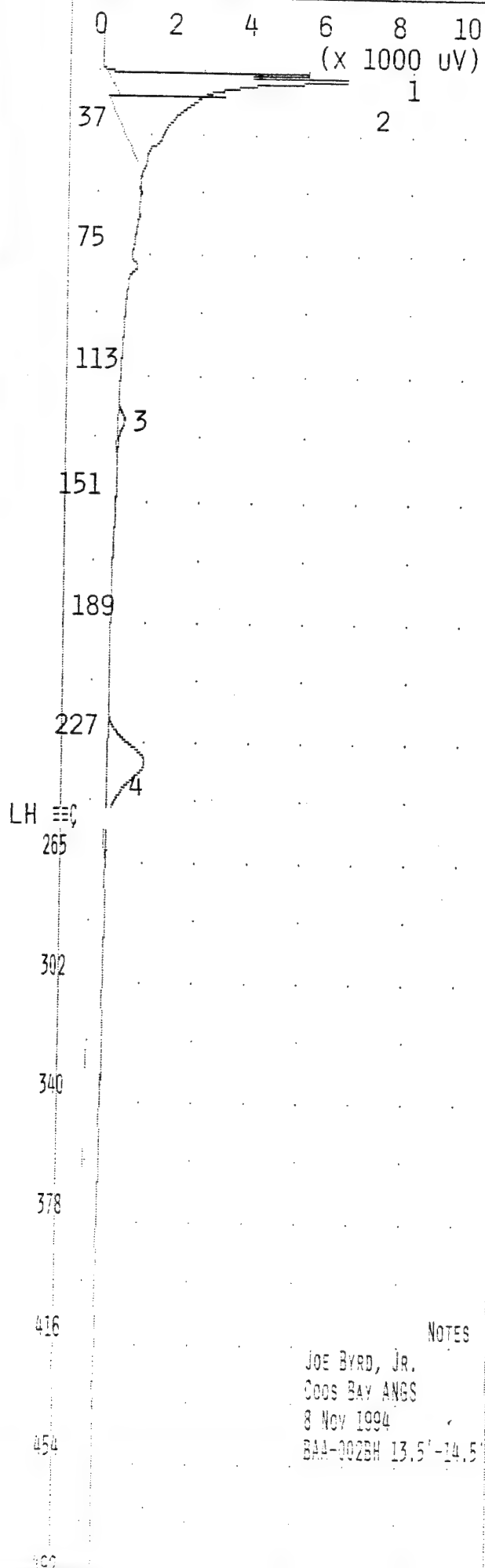
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.223 MVS | 15.4  |
| 2  | UNKNOWN       | 21.18 MVS | 16.8  |
| 3  | UNKNOWN       | 0.065 MVS | 27.6  |
| 4  | UNKNOWN       | 0.152 MVS | 54.4  |
| 5  | TOLUENE       | 1.015 PPB | 124.5 |
| 6  | UNKNOWN       | 5.850 MVS | 231.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 NOV 1994  
BAA-002BH 4.5'-6.0'

ANALYSIS #15 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 15:57  
 SAMPLE TIME: Nov 8,94 15:48  
 METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 530.0 SEC

PEAK REPORT

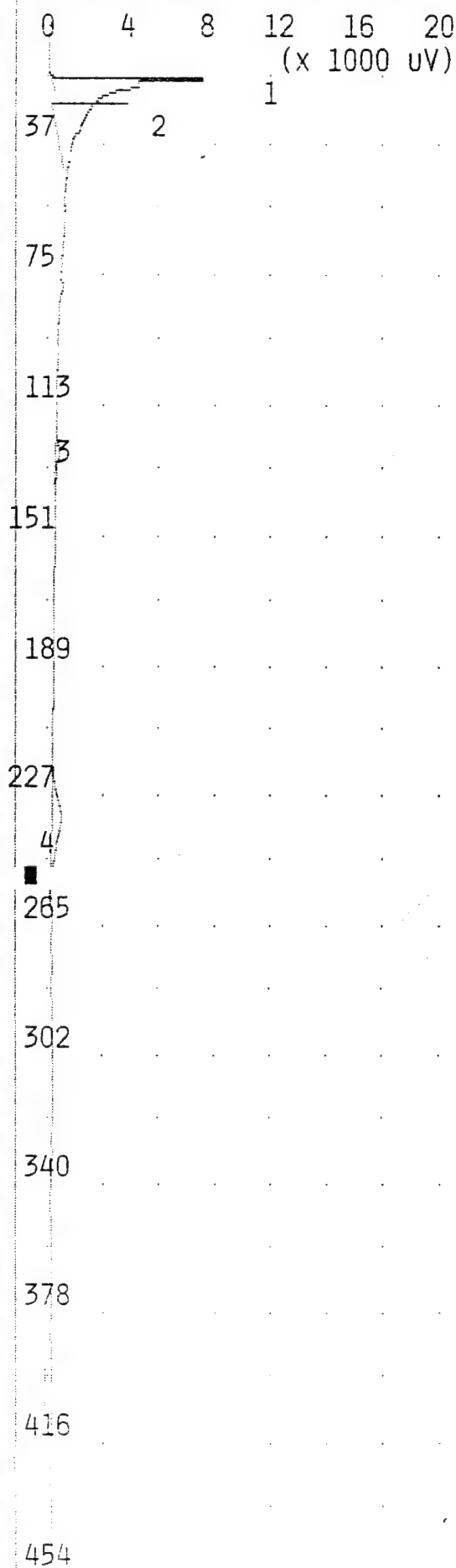
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.451 MVS | 16.8  |
| 2  | UNKNOWN       | 43.54 MVS | 18.3  |
| 3  | TOLUENE       | 1.219 PPB | 124.1 |
| 4  | UNKNOWN       | 15.02 MVS | 231.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGSS  
 8 Nov 1994  
 BAA-002BH 13.5'-14.5'

## ANALYSIS #16

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 16:10

SAMPLE TIME: NOV 8,94 16:02

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.587 MVS | 16.6  |
| 2  | UNKNOWN       | 33.72 MVS | 18.3  |
| 3  | TOLUENE       | 1.484 PPB | 124.8 |
| 4  | UNKNOWN       | 6.573 MVS | 231.0 |

## NOTES

JOE BYRD, JR.

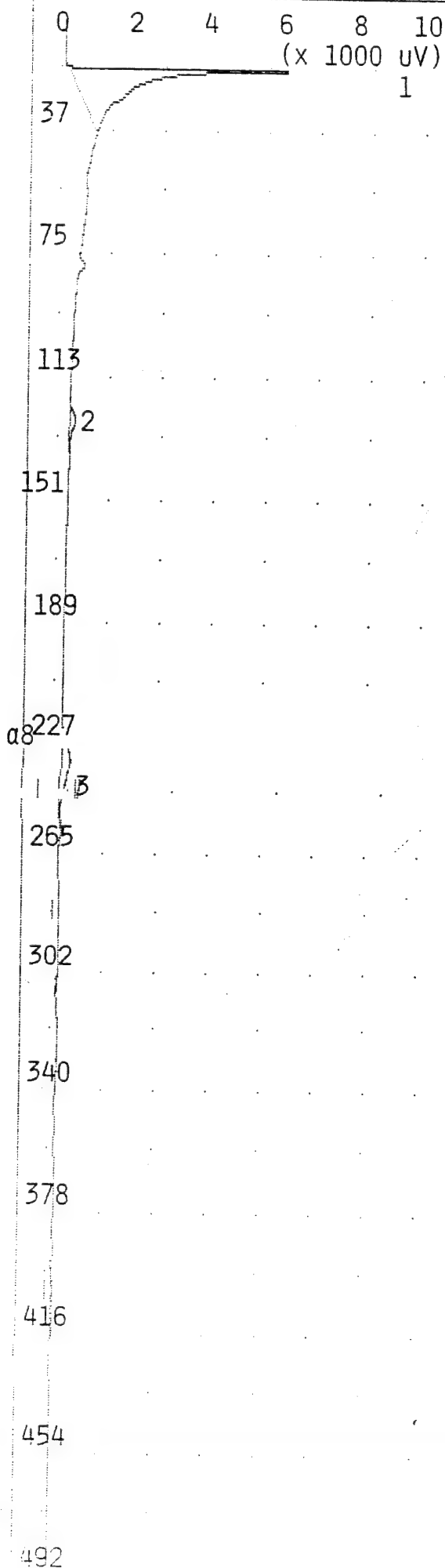
COOS BAY ANG5

8 Nov 1994

BAA-002BH 18.5'-19.5'



ANALYSIS #17 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 16:24  
SAMPLE TIME: NOV 8,94 16:15

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

PEAK REPORT

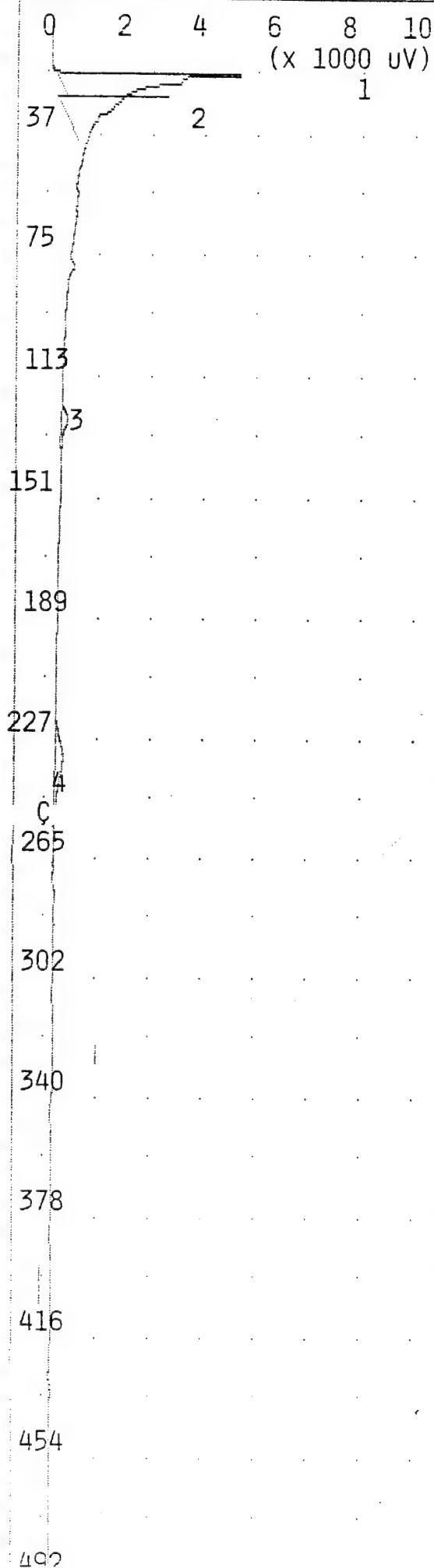
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 26.77 MVS | 16.7  |
| 2  | TOLUENE       | 1.153 PPB | 125.2 |
| 3  | UNKNOWN       | 3.581 MVS | 231.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
8 Nov 1994  
BAA-001BH 1.0'-2.5'

## ANALYSIS #18

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 16:37

SAMPLE TIME: NOV 8,94 16:28

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.691 MVS | 16.8  |
| 2  | UNKNOWN       | 22.81 MVS | 19.0  |
| 3  | TOLUENE       | 1.279 PPB | 125.0 |
| 4  | UNKNOWN       | 2.922 MVS | 230.6 |

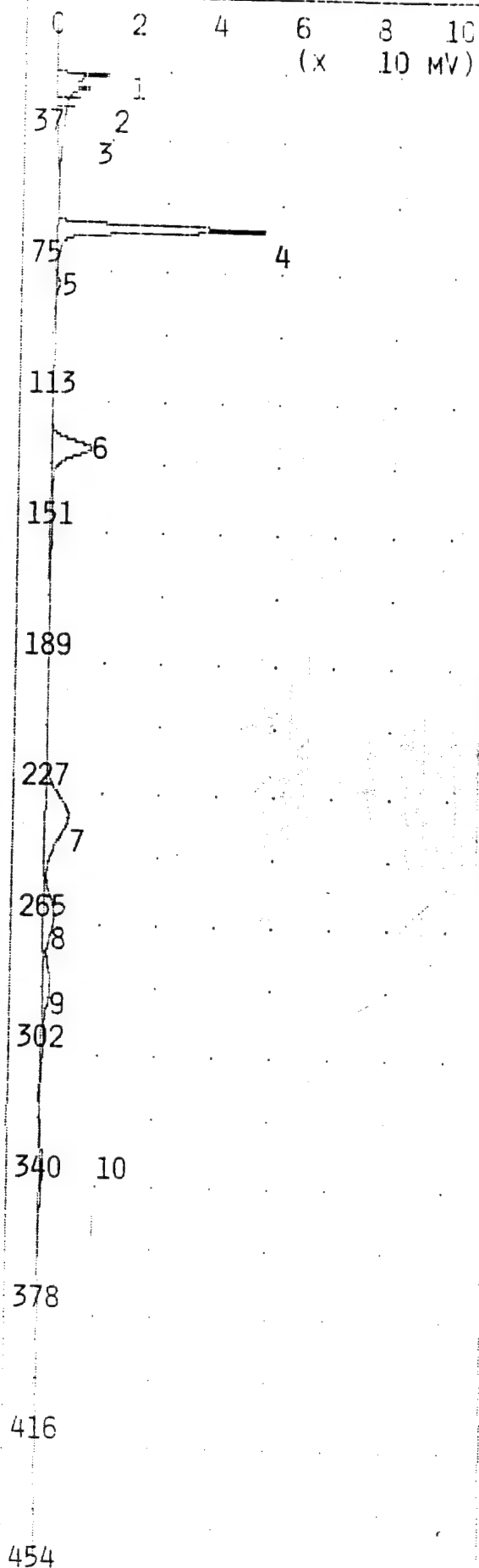
## NOTES

JOE BYRD, JR.

COOS BAY ANG

8 Nov 1994

BAA-001BH 4.5'-6.0'



TIME PRINTED: NOV 8,94 16:51

SAMPLE TIME: NOV 8,94 16:42

## METHOD

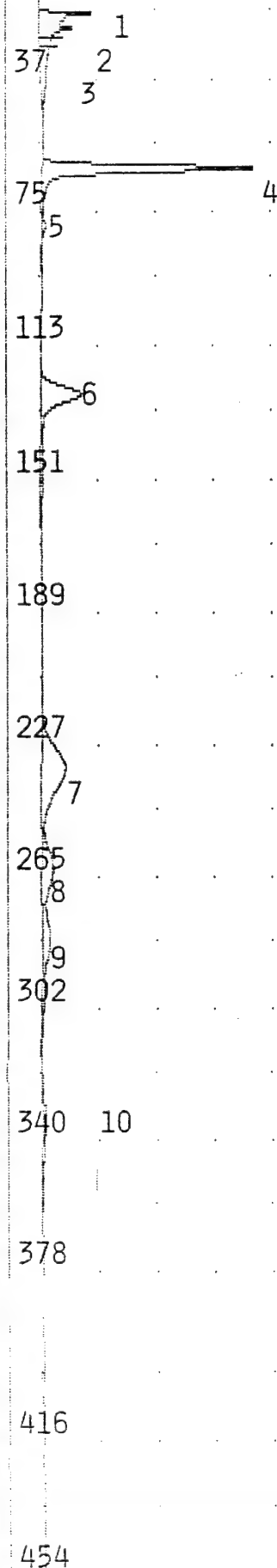
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 15.70 MVS | 16.6  |
| 2  | UNKNOWN       | 10.94 MVS | 18.2  |
| 3  | UNKNOWN       | 46.01 MVS | 20.7  |
| 4  | BENZENE       | 84.68 PPB | 61.0  |
| 5  | UNKNOWN       | 3.692 MVS | 77.2  |
| 6  | TOLUENE       | 78.93 PPB | 124.6 |
| 7  | UNKNOWN       | 84.93 MVS | 231.0 |
| 8  | ETHYLBENNZENE | 74.63 PPB | 260.0 |
| 9  | M,P-XYLENE    | 145.8 PPB | 280.0 |
| 10 | O-XYLENE      | 74.49 PPB | 332.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 NOV 1994  
100 PPB BTEX

0 2 4 6 8 10  
(x 10 mV)

TIME PRINTED: NOV 8,94 16:57

SAMPLE TIME: NOV 8,94 16:42

## METHOD

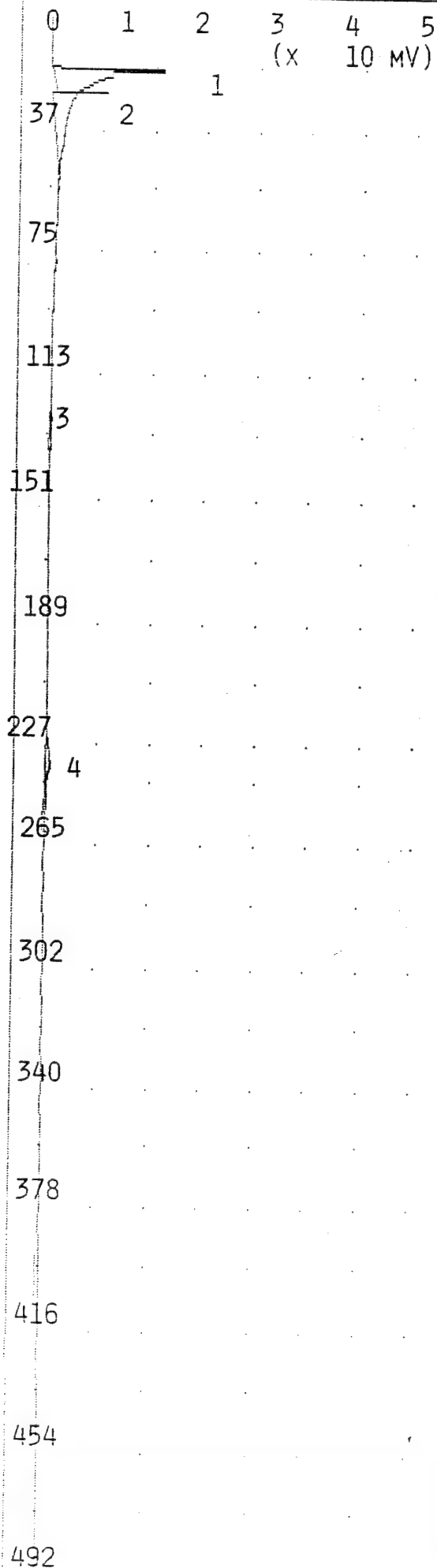
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 530.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 15.70 MVS | 16.6  |
| 2  | UNKNOWN       | 10.94 MVS | 18.2  |
| 3  | UNKNOWN       | 46.01 MVS | 20.7  |
| 4  | BENZENE       | 100.0 PPB | 61.0  |
| 5  | UNKNOWN       | 3.692 MVS | 77.2  |
| 6  | TOLUENE       | 100.0 PPB | 124.6 |
| 7  | UNKNOWN       | 84.93 MVS | 231.0 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 260.0 |
| 9  | M,P-XYLENE    | 200.0 PPB | 280.0 |
| 10 | O-XYLENE      | 100.0 PPB | 332.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
100 PPB BTEX



TIME PRINTED: NOV 8,94 17:12

SAMPLE TIME: NOV 8,94 17:03

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.23 MVS | 16.7  |
| 2  | UNKNOWN       | 64.68 MVS | 18.2  |
| 3  | TOLUENE       | 1.548 PPB | 124.6 |
| 4  | UNKNOWN       | 7.956 MVS | 231.2 |

## NOTES

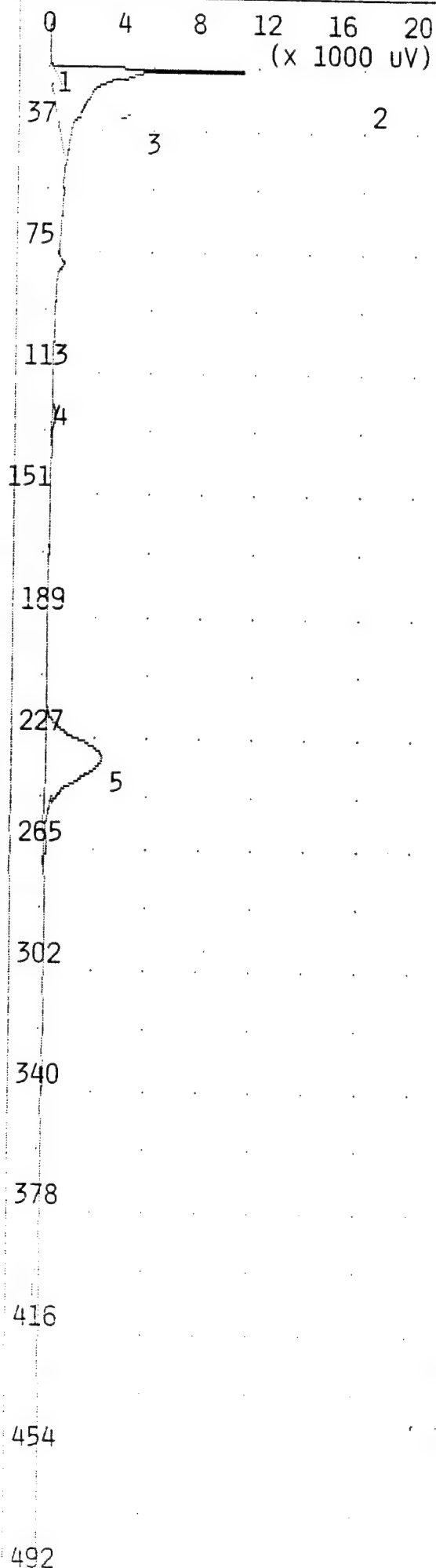
JOE BYRD, JR.

COOS BAY ANG

8 Nov 1994

BAA-001BH 14.5'-16.0'

ANALYSIS #21 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 17:25  
SAMPLE TIME: Nov 8,94 17:16

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

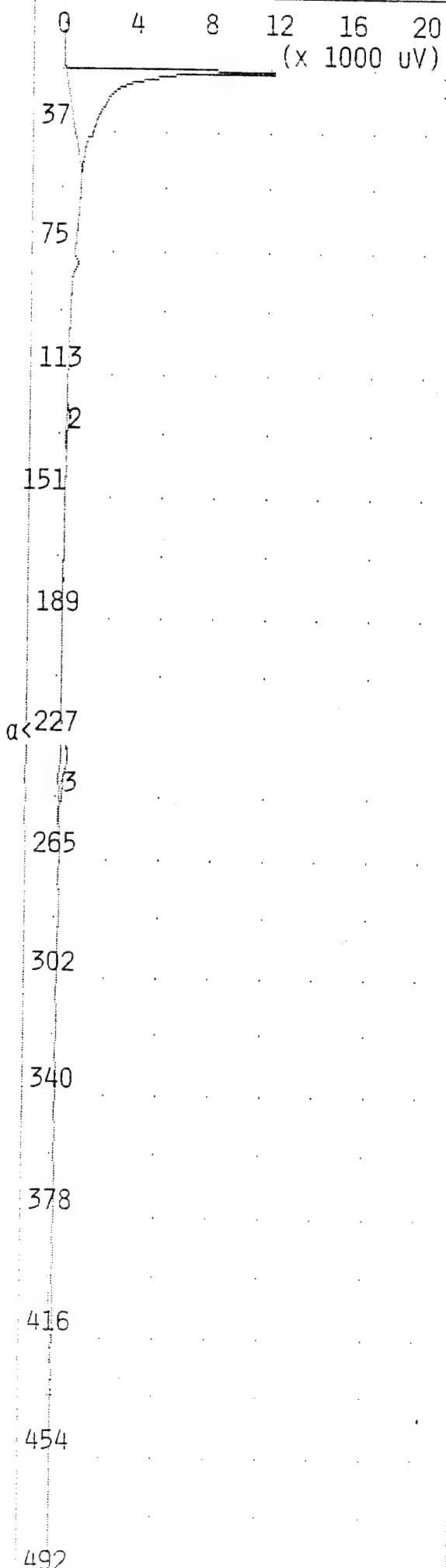
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.083 MVS | 15.4  |
| 2  | UNKNOWN       | 47.54 MVS | 16.4  |
| 3  | UNKNOWN       | 0.480 MVS | 18.8  |
| 4  | TOLUENE       | 1.881 PPB | 124.2 |
| 5  | UNKNOWN       | 45.62 MVS | 230.8 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
8 Nov 1994  
BAA-001BH 18.5'-19.5'

ANALYSIS #22 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 17:40  
SAMPLE TIME: Nov 8,94 17:31

METHOD

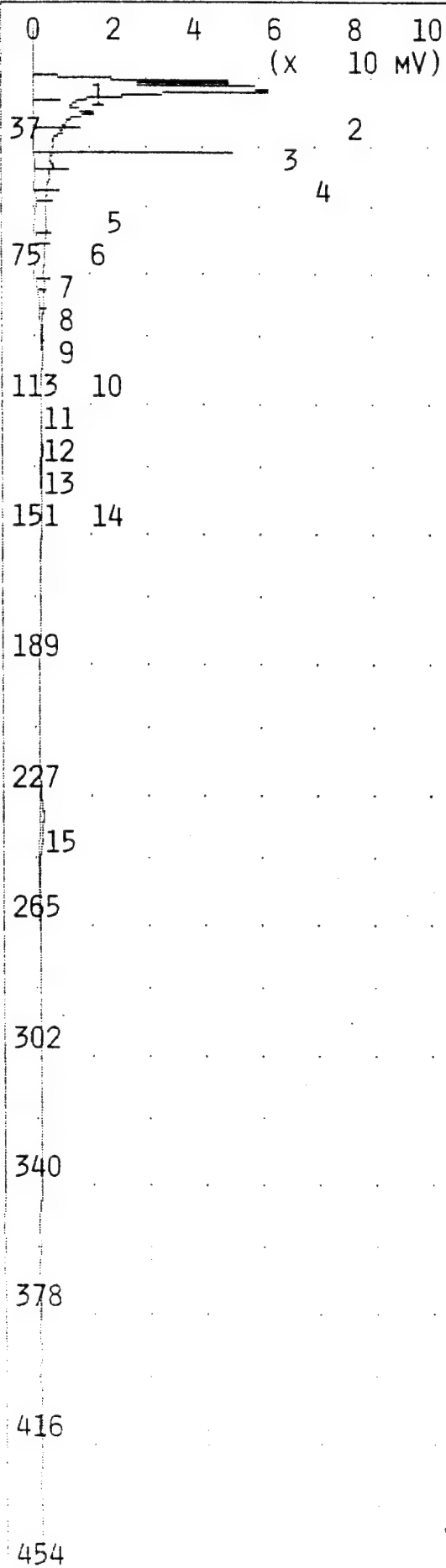
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 64.00 MVS | 16.4  |
| 2  | TOLUENE       | 1.727 PPB | 124.4 |
| 3  | UNKNOWN       | 5.616 MVS | 231.2 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG5  
8 Nov 1994  
BAA-003BH 4.5'-6.0'



TIME PRINTED: Nov 8,94 17:52

SAMPLE TIME: Nov 8,94 17:43

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 530.0 SEC

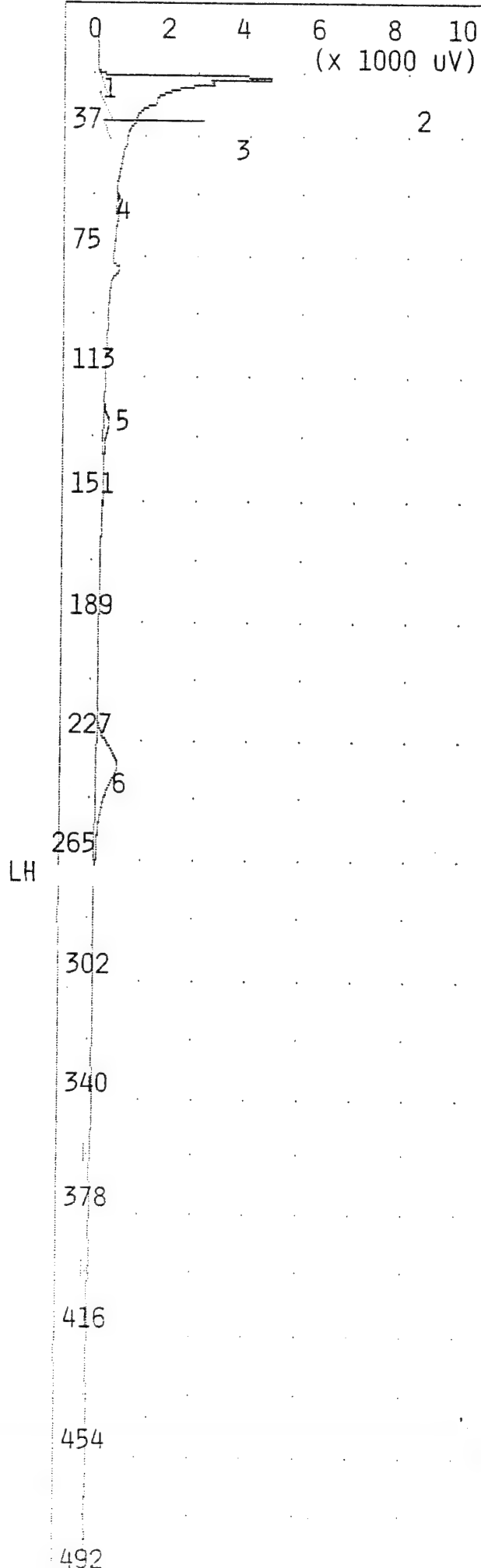
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.110 MVS | 15.6  |
| 2  | UNKNOWN       | 56.89 MVS | 16.6  |
| 3  | UNKNOWN       | 47.32 MVS | 18.2  |
| 4  | UNKNOWN       | 132.2 MVS | 19.2  |
| 5  | UNKNOWN       | 62.43 MVS | 25.5  |
| 6  | UNKNOWN       | 19.16 MVS | 31.0  |
| 7  | UNKNOWN       | 12.51 MVS | 34.8  |
| 8  | UNKNOWN       | 12.68 MVS | 37.6  |
| 9  | UNKNOWN       | 15.43 MVS | 41.4  |
| 10 | UNKNOWN       | 22.93 MVS | 44.7  |
| 11 | UNKNOWN       | 10.67 MVS | 54.9  |
| 12 | BENZENE       | 15.28 PPB | 60.9  |
| 13 | UNKNOWN       | 9.765 MVS | 77.2  |
| 14 | TOLUENE       | 2.704 PPB | 124.0 |
| 15 | UNKNOWN       | 12.31 MVS | 230.4 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG5  
 8 Nov 1994  
 BAA-003BH 8.5'-9.5'





TIME PRINTED: Nov 8,94 18:06

SAMPLE TIME: Nov 8,94 17:57

## METHOD

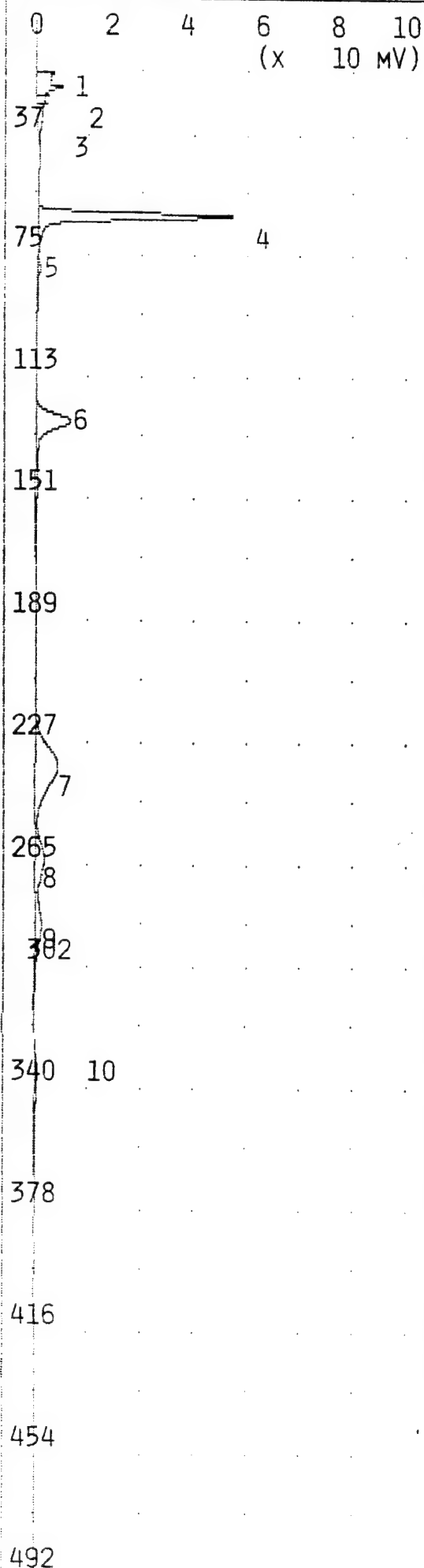
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.105 MVS | 15.8  |
| 2  | UNKNOWN       | 9.307 MVS | 17.0  |
| 3  | UNKNOWN       | 17.41 MVS | 19.3  |
| 4  | UNKNOWN       | 0.172 MVS | 54.5  |
| 5  | TOLUENE       | 1.372 PPB | 125.3 |
| 6  | UNKNOWN       | 9.612 MVS | 232.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
BAA-003BH 13.5'-15.0'



TIME PRINTED: Nov 8,94 18:20

SAMPLE TIME: Nov 8,94 18:10

## METHOD

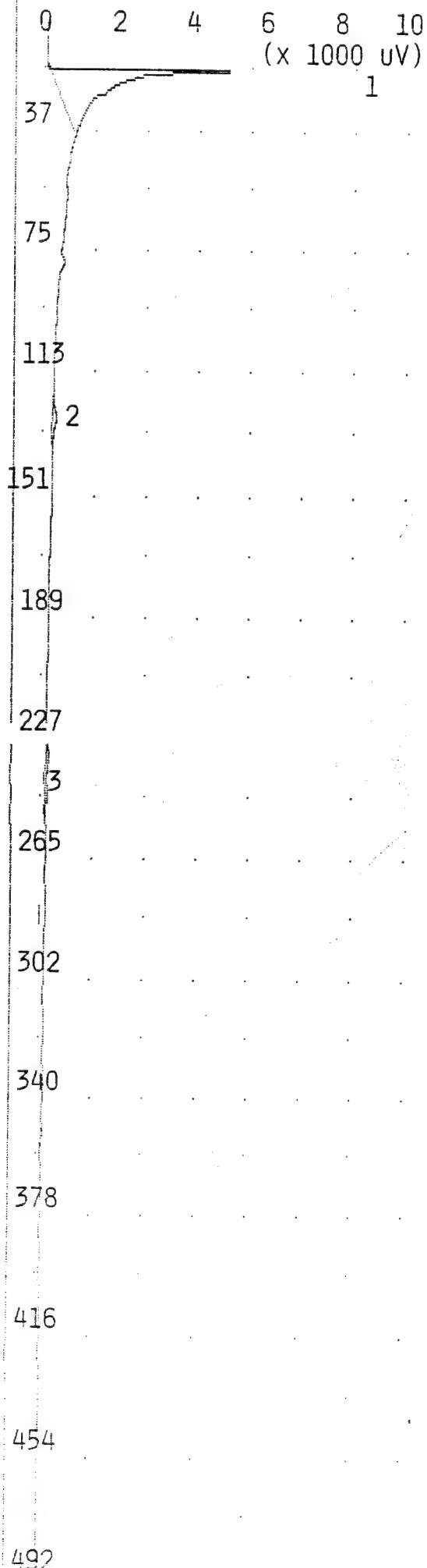
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.630 MVS | 16.8  |
| 2  | UNKNOWN       | 7.249 MVS | 18.4  |
| 3  | UNKNOWN       | 29.63 MVS | 20.8  |
| 4  | BENZENE       | 103.7 PPB | 61.2  |
| 5  | UNKNOWN       | 2.399 MVS | 77.3  |
| 6  | TOLUENE       | 96.92 PPB | 125.0 |
| 7  | UNKNOWN       | 90.60 MVS | 232.2 |
| 8  | ETHYLBENNZENE | 90.31 PPB | 261.0 |
| 9  | M,P-XYLENE    | 177.0 PPB | 281.0 |
| 10 | O-XYLENE      | 92.06 PPB | 332.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
100 PPB BTEX



TIME PRINTED: NOV 8,94 18:33

SAMPLE TIME: NOV 8,94 18:24

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

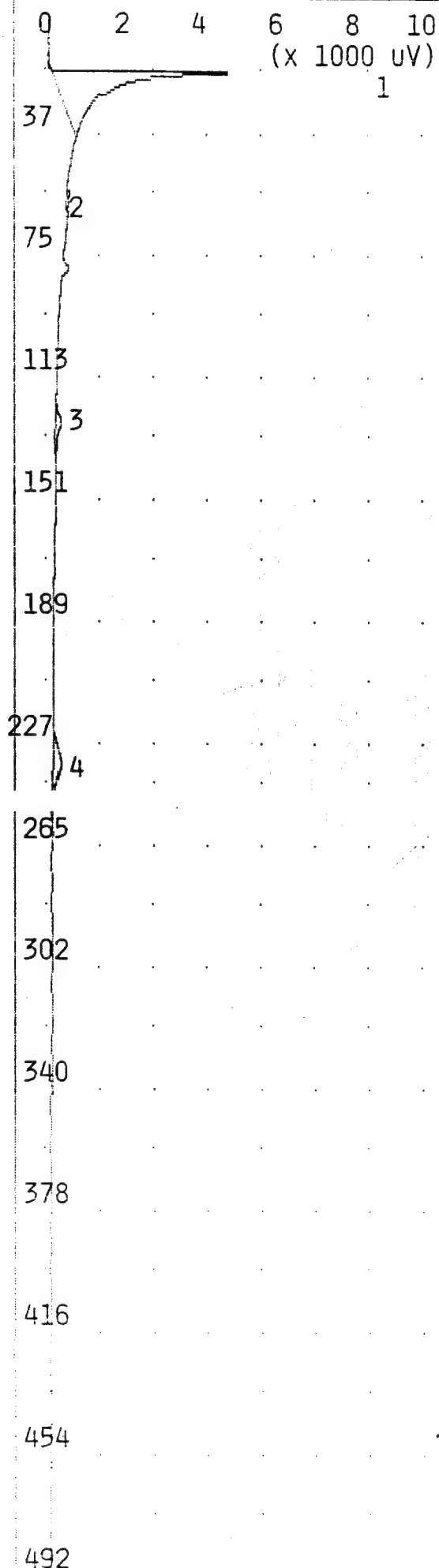
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 23.72 MVS | 16.7  |
| 2  | TOLUENE       | 0.880 PPB | 124.9 |
| 3  | UNKNOWN       | 0.658 MVS | 230.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
AIR BLANK



TIME PRINTED: NOV 8,94 18:45

SAMPLE TIME: NOV 8,94 18:36

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

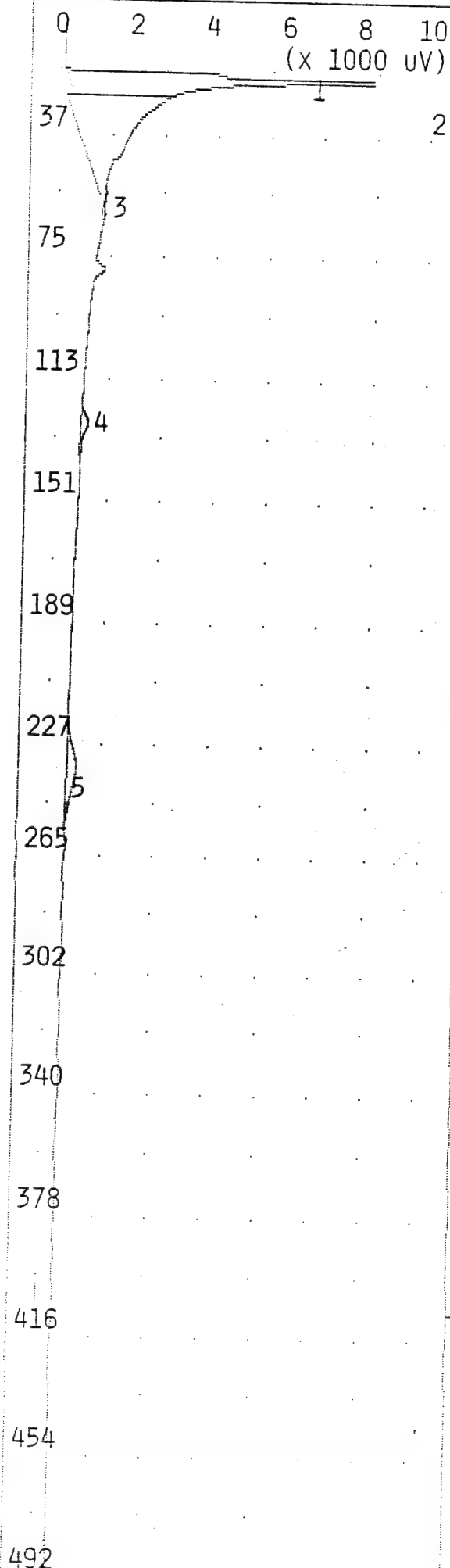
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 22.55 MVS | 16.8  |
| 2  | UNKNOWN       | 0.176 MVS | 54.1  |
| 3  | TOLUENE       | 1.258 PPB | 124.6 |
| 4  | UNKNOWN       | 3.575 MVS | 232.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
BAA-003BH 1.0'-2.5'

## ANALYSIS #28

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 8,94 18:58

SAMPLE TIME: NOV 8,94 18:49

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

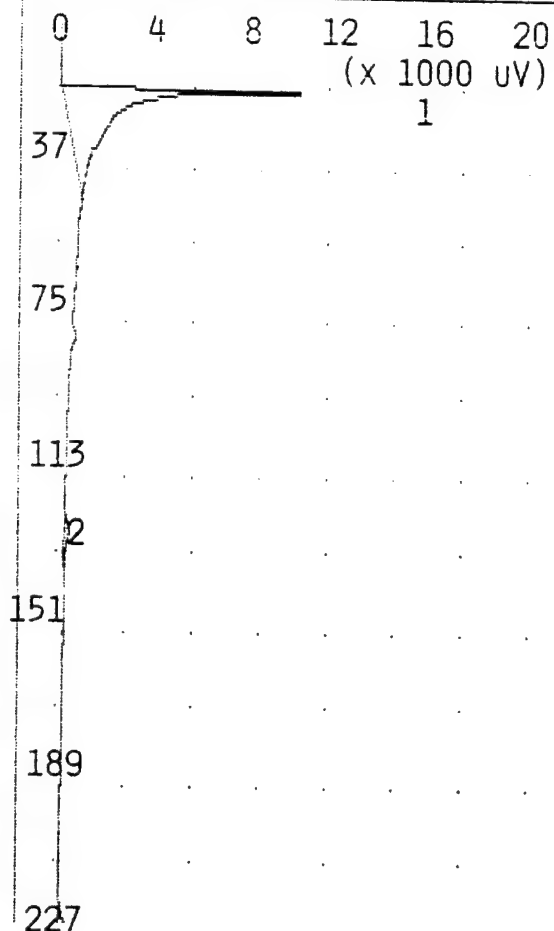
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.462 MVS | 16.8  |
| 2  | UNKNOWN       | 58.72 MVS | 18.2  |
| 3  | UNKNOWN       | 0.040 MVS | 53.8  |
| 4  | TOLUENE       | 1.743 PPB | 124.6 |
| 5  | UNKNOWN       | 3.607 MVS | 232.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
BAA-002BH 8.5'-10.0'

## ANALYSIS #29

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 19:10

SAMPLE TIME: Nov 8,94 19:01

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 44.30 MVS | 16.5  |
| 2  | TOLUENE       | 1.712 PPB | 124.4 |
| 3  | UNKNOWN       | 29.14 MVS | 231.6 |

3

265

302

340

378

416

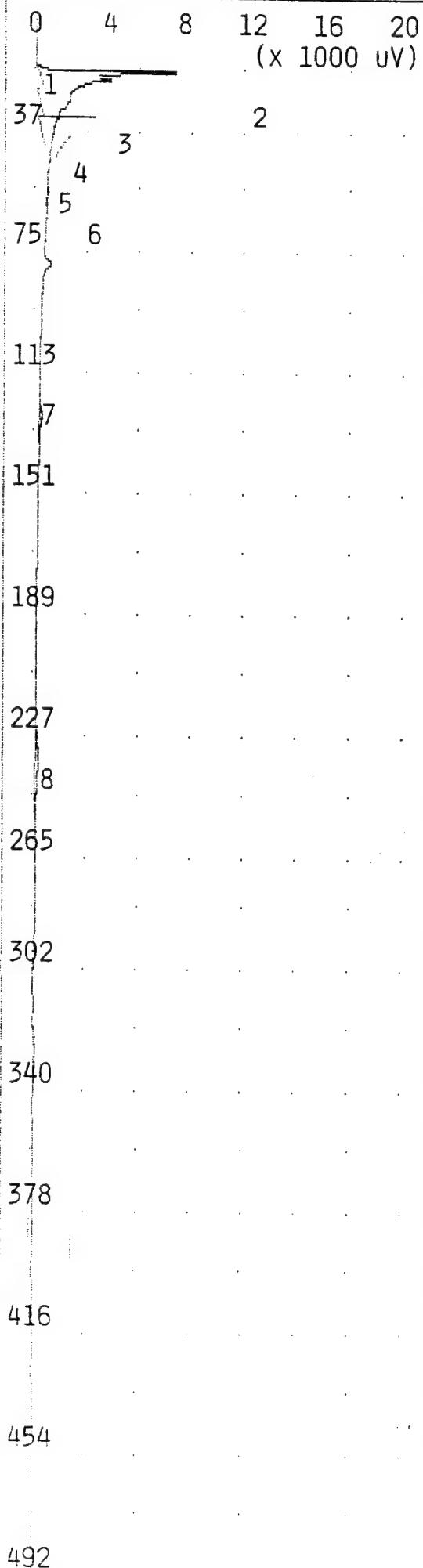
454

492

530

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
BAA-001BH 9.5'-11.0'



TIME PRINTED: NOV 8,94 19:23

SAMPLE TIME: NOV 8,94 19:14

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 530.0 | SEC    |

## PEAK REPORT

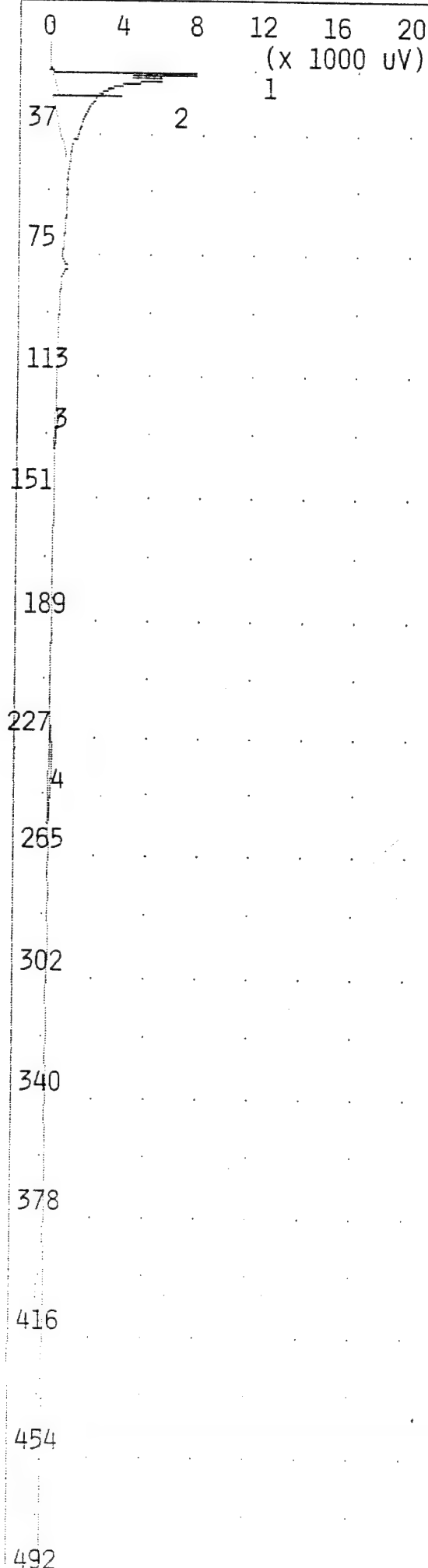
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.224 MVS | 15.6  |
| 2  | UNKNOWN       | 11.62 MVS | 16.7  |
| 3  | UNKNOWN       | 23.73 MVS | 19.2  |
| 4  | UNKNOWN       | 0.556 MVS | 25.4  |
| 5  | UNKNOWN       | 0.152 MVS | 30.8  |
| 6  | UNKNOWN       | 0.182 MVS | 54.5  |
| 7  | TOLUENE       | 1.384 PPB | 124.9 |
| 8  | UNKNOWN       | 1.696 MVS | 231.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
BAA-001BH 18.5'-19.5'



ANALYSIS #31 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 19:35

SAMPLE TIME: Nov 8,94 19:26

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 30 C  
 MAX GAIN 1000

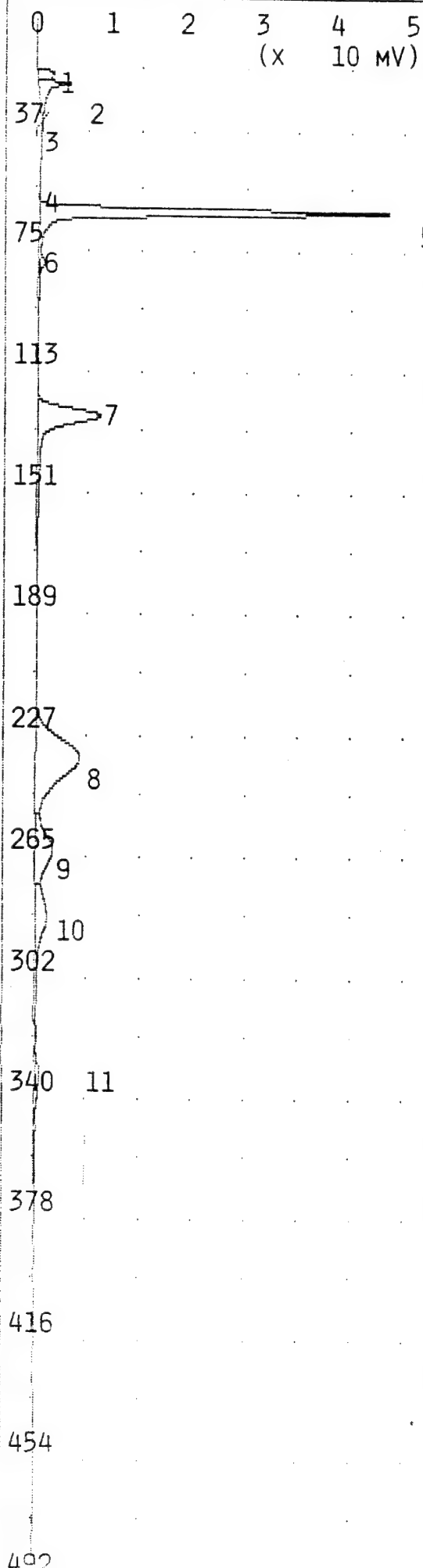
ANALYSIS TIME 530.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.046 MVS | 16.6  |
| 2  | UNKNOWN       | 41.59 MVS | 18.4  |
| 3  | TOLUENE       | 1.340 PPB | 124.6 |
| 4  | UNKNOWN       | 2.245 MVS | 231.8 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG'S  
 8 Nov 1994  
 A48-001BH 3.5'-5.0'



TIME PRINTED: NOV 8,94 19:47

SAMPLE TIME: NOV 8,94 19:38

## METHOD

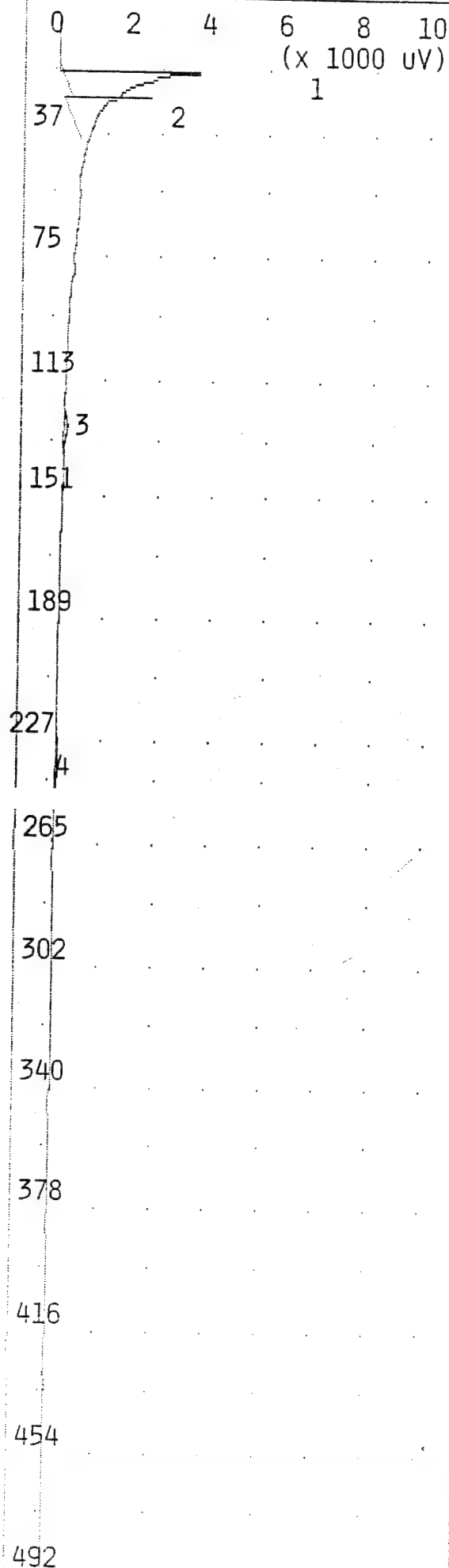
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 530.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.368 MVS | 17.0  |
| 2  | UNKNOWN       | 15.05 MVS | 20.8  |
| 3  | UNKNOWN       | 0.119 MVS | 24.1  |
| 4  | UNKNOWN       | 0.193 MVS | 54.7  |
| 5  | BENZENE       | 93.82 PPB | 61.1  |
| 6  | UNKNOWN       | 1.686 MVS | 77.3  |
| 7  | TOLUENE       | 91.68 PPB | 124.9 |
| 8  | UNKNOWN       | 90.07 MVS | 231.8 |
| 9  | ETHYLBENZENE  | 87.74 PPB | 260.2 |
| 10 | M,P-XYLENE    | 175.0 PPB | 280.5 |
| 11 | O-XYLENE      | 95.45 PPB | 332.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
100 PPB BTEX



TIME PRINTED: Nov 8,94 20:00

SAMPLE TIME: Nov 8,94 19:51

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 530.0 | SEC    |

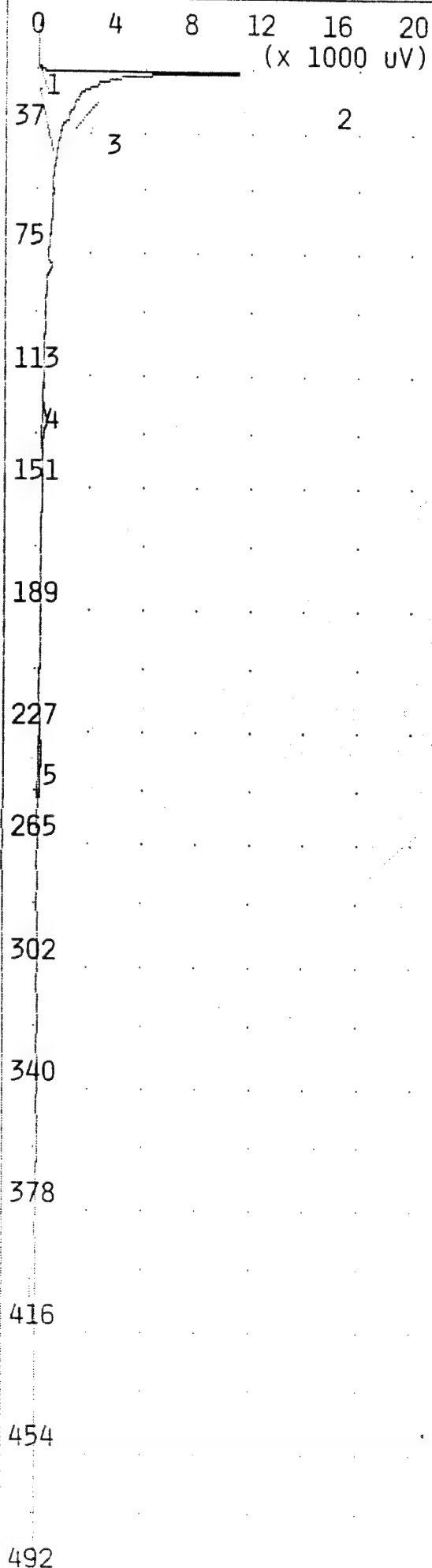
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.523 MVS | 16.8  |
| 2  | UNKNOWN       | 17.32 MVS | 18.6  |
| 3  | TOLUENE       | 0.788 PPB | 125.0 |
| 4  | UNKNOWN       | 0.664 MVS | 231.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
AIR BLANK

## ANALYSIS #34 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 20:12

SAMPLE TIME: Nov 8,94 20:03

## METHOD

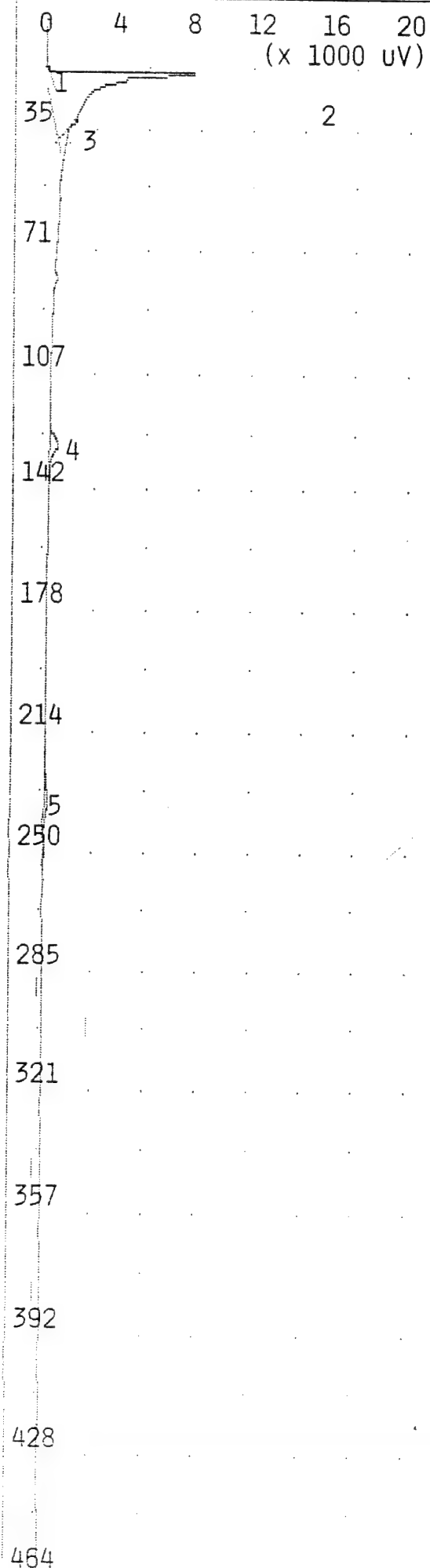
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 530.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.094 MVS | 15.6  |
| 2  | UNKNOWN       | 44.52 MVS | 16.8  |
| 3  | UNKNOWN       | 0.108 MVS | 20.8  |
| 4  | TOLUENE       | 1.748 PPB | 125.3 |
| 5  | UNKNOWN       | 1.186 MVS | 231.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANS  
8 Nov 1994  
A48-001BH 8.5-10.0



TIME PRINTED: Nov 8,94 20:23

SAMPLE TIME: Nov 8,94 20:15

## METHOD

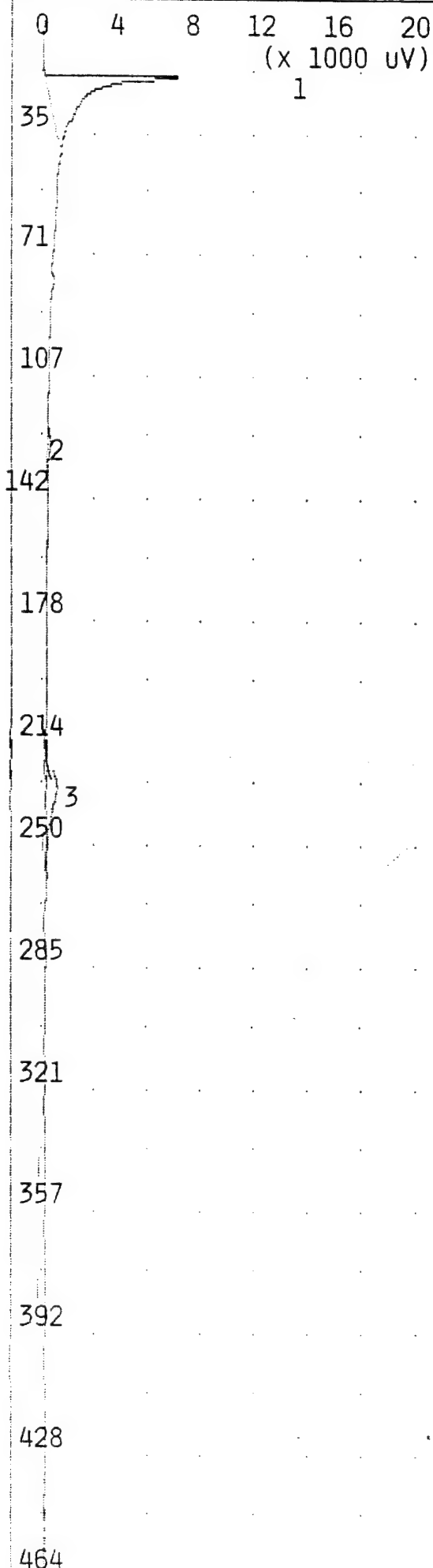
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 500.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.113 MVS | 15.6  |
| 2  | UNKNOWN       | 43.74 MVS | 16.7  |
| 3  | UNKNOWN       | 0.291 MVS | 30.8  |
| 4  | TOLUENE       | 4.414 PPB | 124.9 |
| 5  | UNKNOWN       | 2.189 MVS | 232.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
8 Nov 1994  
A48-001BH 13.5-15.0



TIME PRINTED: NOV 8,94 20:35

SAMPLE TIME: NOV 8,94 20:27

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 500.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 37.94 MVS | 16.7  |
| 2  | TOLUENE       | 1.595 PPB | 124.6 |
| 3  | UNKNOWN       | 9.575 MVS | 231.4 |

## NOTES

JOE BYRD, JR.

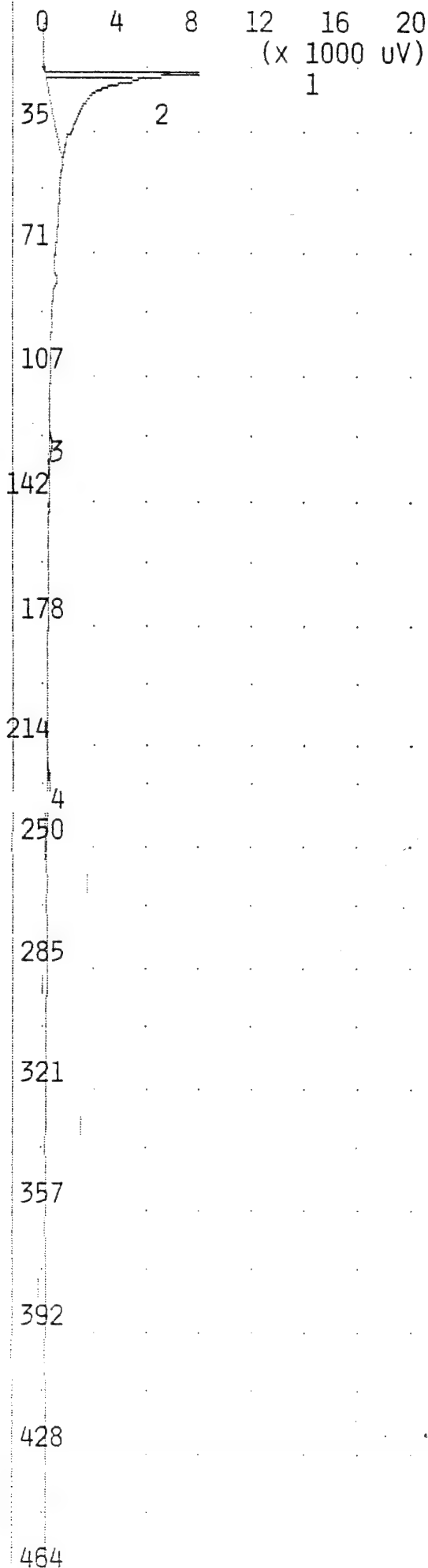
COOS BAY ANG

8 Nov 1994

A48-001BH 18.5-19.5

## ANALYSIS #37

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 8,94 20:47

SAMPLE TIME: Nov 8,94 20:39

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 500.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 11.99 MVS | 16.7  |
| 2  | UNKNOWN       | 37.09 MVS | 18.3  |
| 3  | TOLUENE       | 1.481 PPB | 125.0 |
| 4  | UNKNOWN       | 2.476 MVS | 232.8 |

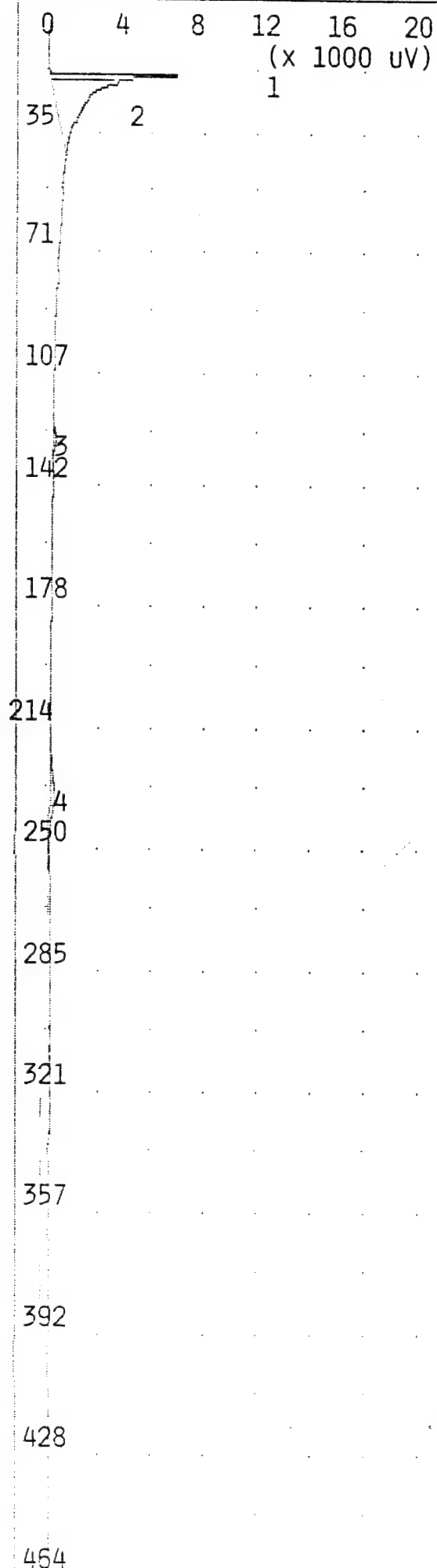
## NOTES

JOE BYRD, JR.

COOS BAY ANG

8 Nov 1994

A48-001BH 23.5-24.5



TIME PRINTED: NOV 8,94 20:59

SAMPLE TIME: NOV 8,94 20:50

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 500.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.343 MVS | 16.6  |
| 2  | UNKNOWN       | 27.65 MVS | 18.4  |
| 3  | TOLUENE       | 1.499 PPB | 124.5 |
| 4  | UNKNOWN       | 2.948 MVS | 231.8 |

## NOTES

JOE BYRD, JR.

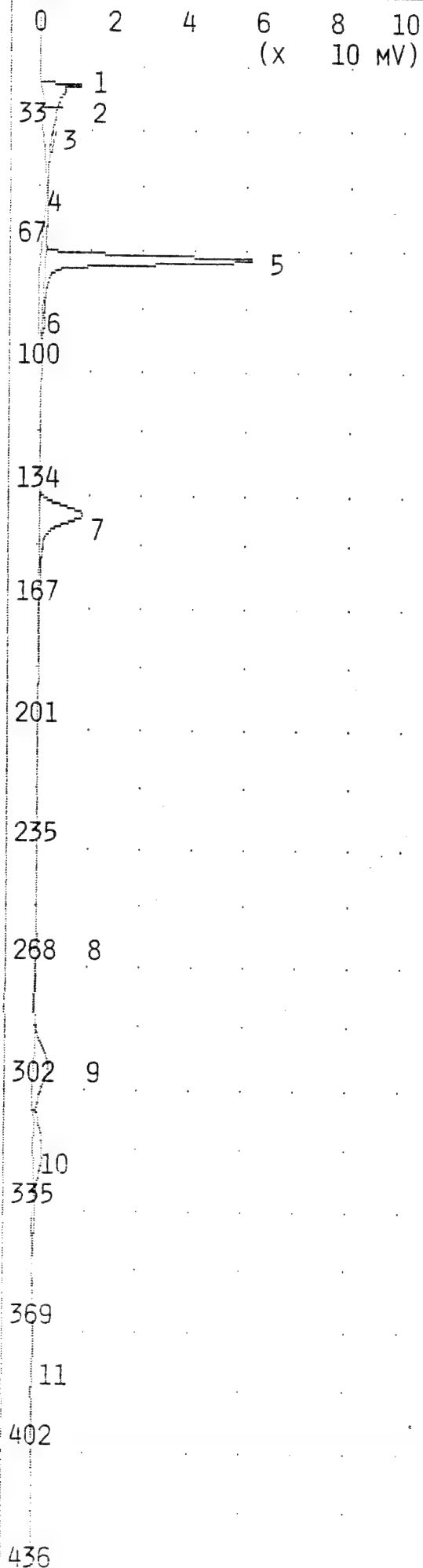
COOS BAY ANG

8 Nov 1994

A48-001BH 28.5-29.5



ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 08:08

SAMPLE TIME: Nov 9,94 08:00

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 24 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

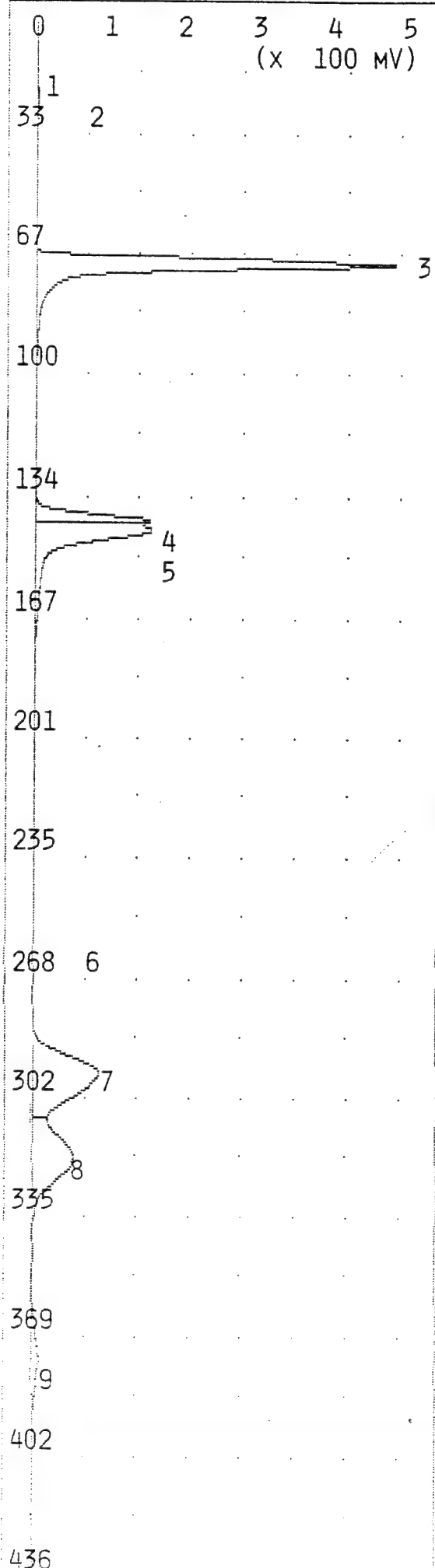
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 13.94 MVS | 18.9  |
| 2  | UNKNOWN       | 66.31 MVS | 20.6  |
| 3  | UNKNOWN       | 0.429 MVS | 27.4  |
| 4  | UNKNOWN       | 0.085 MVS | 48.1  |
| 5  | UNKNOWN       | 159.9 MVS | 67.6  |
| 6  | UNKNOWN       | 0.713 MVS | 85.6  |
| 7  | UNKNOWN       | 82.68 MVS | 140.1 |
| 8  | UNKNOWN       | 3.175 MVS | 260.8 |
| 9  | UNKNOWN       | 49.49 MVS | 293.6 |
| 10 | UNKNOWN       | 41.70 MVS | 316.5 |
| 11 | UNKNOWN       | 8.485 MVS | 373.3 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 100 PPB BTEX

## ANALYSIS #2 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 08:31

SAMPLE TIME: NOV 9,94 08:23

## METHOD

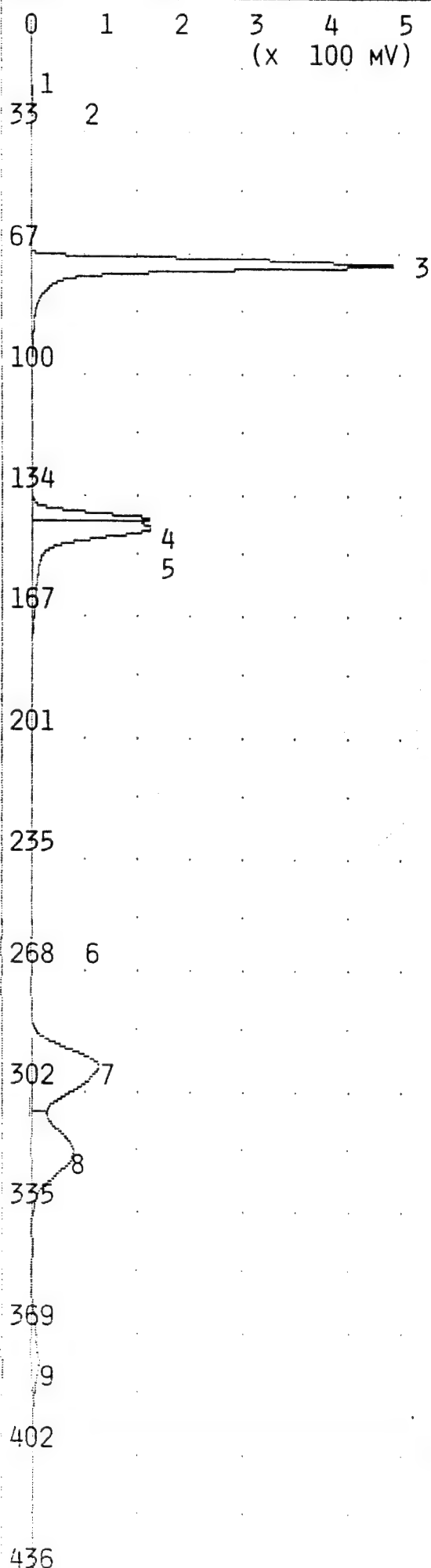
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.90 MVS | 19.1  |
| 2  | UNKNOWN       | 0.046 MVS | 21.2  |
| 3  | BENZENE       | 1.218 PPM | 68.1  |
| 4  | UNKNOWN       | 465.3 MVS | 138.5 |
| 5  | TOLUENE       | 1.129 PPM | 141.2 |
| 6  | UNKNOWN       | 2.989 MVS | 260.5 |
| 7  | ETHYLBENZENE  | 2.481 PPM | 292.8 |
| 8  | M,P-XYLENE    | 4.191 PPM | 316.5 |
| 9  | O-XYLENE      | 2.207 PPM | 374.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 NOV 1994  
1 PPM BTEX



TIME PRINTED: NOV 9,94 08:36

SAMPLE TIME: NOV 9,94 08:23

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 26 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

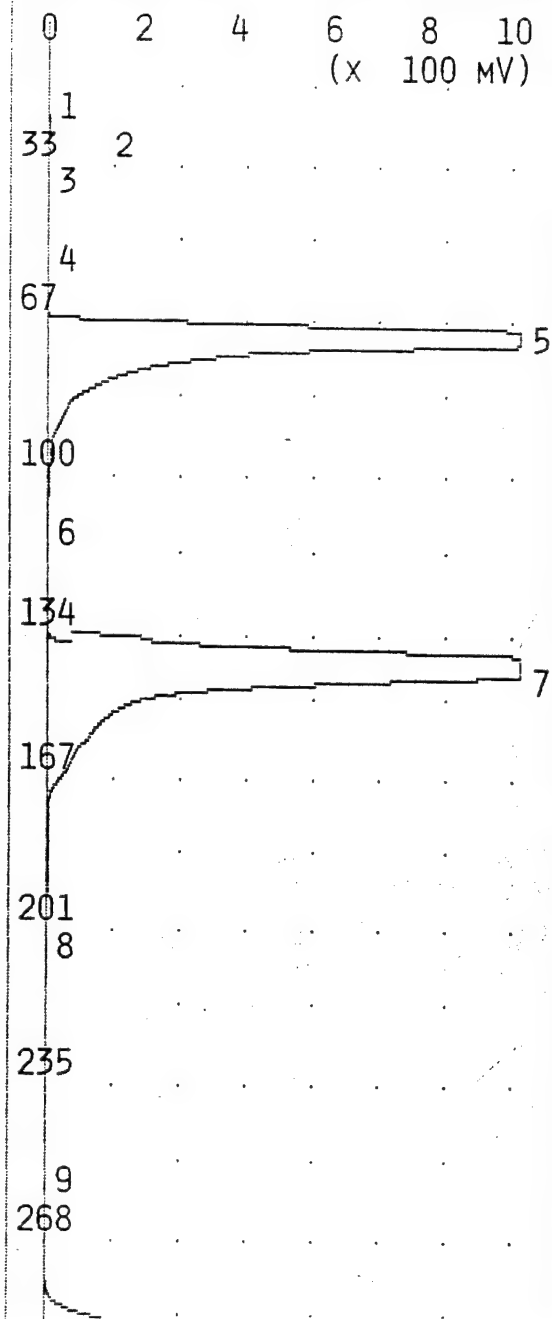
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.90 MVS | 19.1  |
| 2  | UNKNOWN       | 0.046 MVS | 21.2  |
| 3  | BENZENE       | 1.000 PPM | 68.1  |
| 4  | UNKNOWN       | 465.3 MVS | 138.5 |
| 5  | TOLUENE       | 1.000 PPM | 141.2 |
| 6  | UNKNOWN       | 2.989 MVS | 260.5 |
| 7  | ETHYLBENZENE  | 1.000 PPM | 292.8 |
| 8  | M,P-XYLENE    | 2.000 PPM | 316.5 |
| 9  | O-XYLENE      | 1.006 PPM | 374.3 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 1 PPM BTEX

ANALYSIS #3 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9, 94 08:49

SAMPLE TIME: Nov 9, 94 08:41

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.775 MVS | 19.2  |
| 2  | UNKNOWN       | 10.58 MVS | 20.8  |
| 3  | UNKNOWN       | 34.99 MVS | 23.5  |
| 4  | UNKNOWN       | 1.011 MVS | 50.3  |
| 5  | BENZENE       | 5.567 PPM | 68.5  |
| 6  | UNKNOWN       | 1.159 MVS | 108.9 |
| 7  | TOLUENE       | 14.02 PPM | 141.0 |
| 8  | UNKNOWN       | 1.035 MVS | 202.4 |
| 9  | UNKNOWN       | 4.437 MVS | 254.1 |
| 10 | ETHYLBENZENE  | 7.516 PPM | 294.6 |
| 11 | M,P-XYLENE    | 16.52 PPM | 317.3 |
| 12 | O-XYLENE      | 8.409 PPM | 372.6 |

335

11

369

12

402

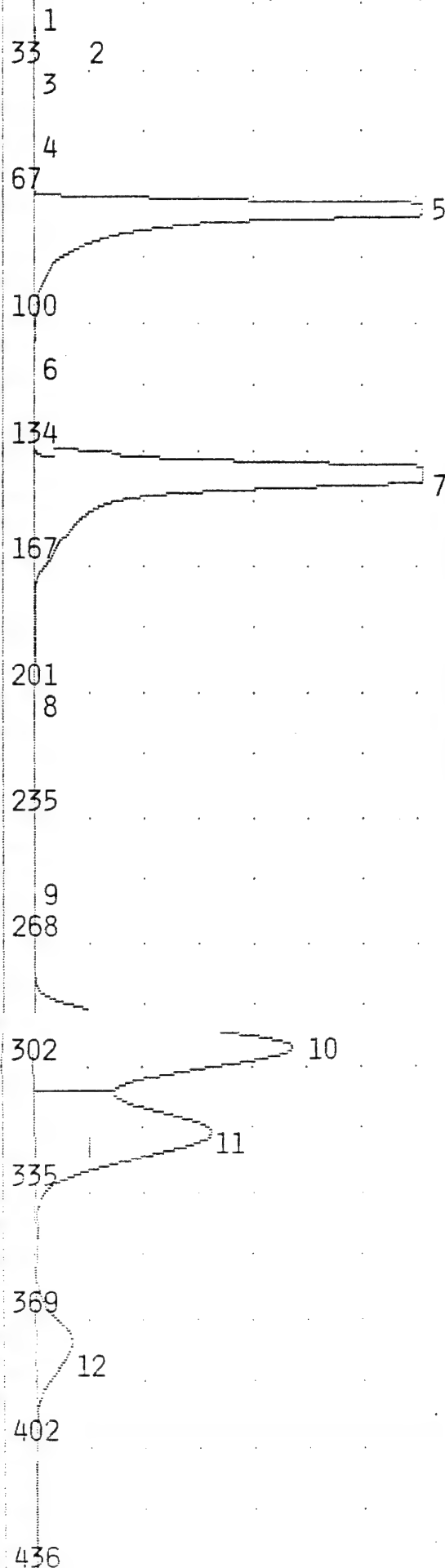
436

470

# NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 NOV 1994  
10 PPM BTEX



0 2 4 6 8 10  
(x 100 mV)

TIME PRINTED: NOV 9,94 08:55

SAMPLE TIME: NOV 9,94 08:41

## METHOD

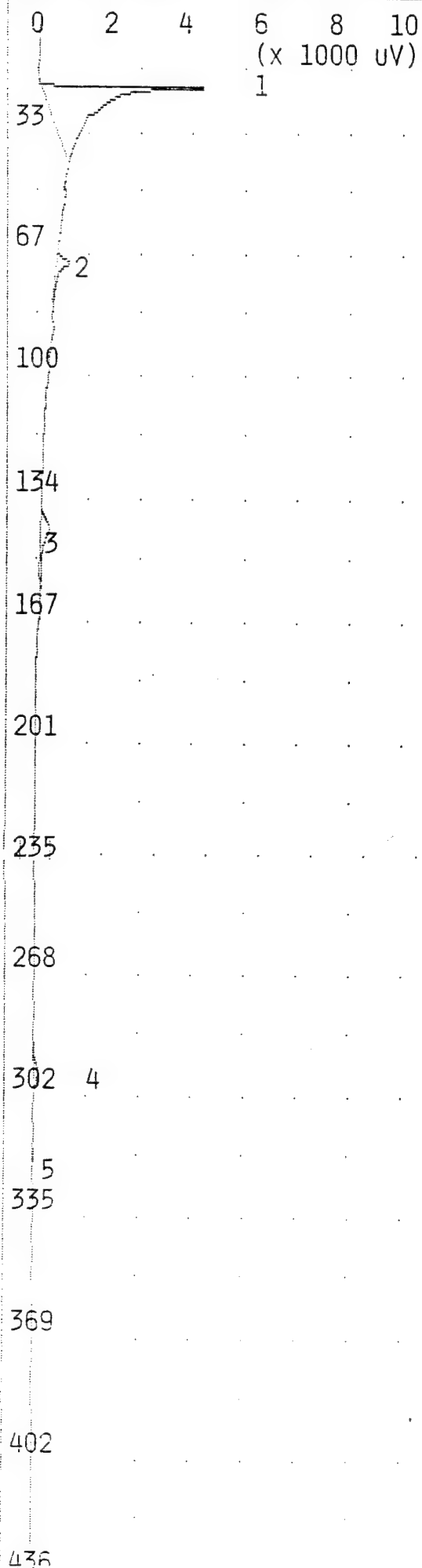
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.775 MVS | 19.2  |
| 2  | UNKNOWN       | 10.58 MVS | 20.8  |
| 3  | UNKNOWN       | 34.99 MVS | 23.5  |
| 4  | UNKNOWN       | 1.011 MVS | 50.3  |
| 5  | BENZENE       | 10.00 PPM | 68.5  |
| 6  | UNKNOWN       | 1.159 MVS | 108.9 |
| 7  | TOLUENE       | 10.00 PPM | 141.0 |
| 8  | UNKNOWN       | 1.035 MVS | 202.4 |
| 9  | UNKNOWN       | 4.437 MVS | 254.1 |
| 10 | ETHYLBENZENE  | 10.00 PPM | 294.6 |
| 11 | M,P-XYLENE    | 20.00 PPM | 317.3 |
| 12 | O-XYLENE      | 10.02 PPM | 372.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 NOV 1994  
10 PPM BTEX



TIME PRINTED: NOV 9,94 09:09

SAMPLE TIME: NOV 9,94 09:01

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 23.13 MVS | 18.9  |
| 2  | BENZENE       | 0.724 PPB | 67.4  |
| 3  | TOLUENE       | 1.931 PPB | 139.8 |
| 4  | ETHYLBENZENE  | 7.943 PPB | 292.8 |
| 5  | M,P-XYLENE    | 17.83 PPB | 316.2 |

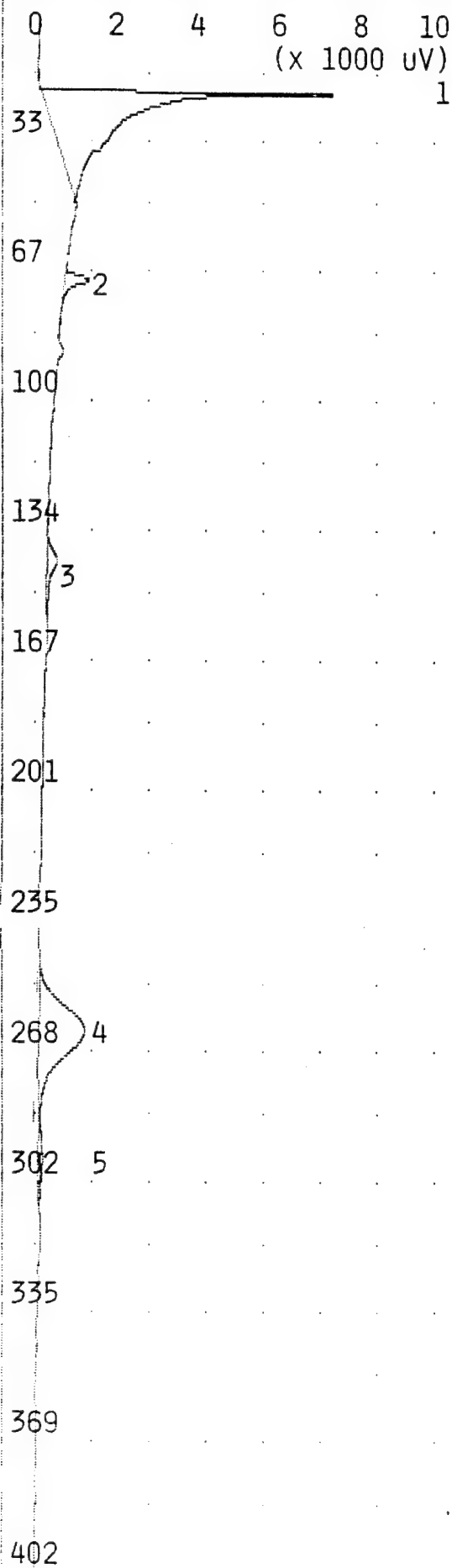
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 NOV 1994  
AIR BLANK



## ANALYSIS #5

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 09:21

SAMPLE TIME: NOV 9,94 09:13

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

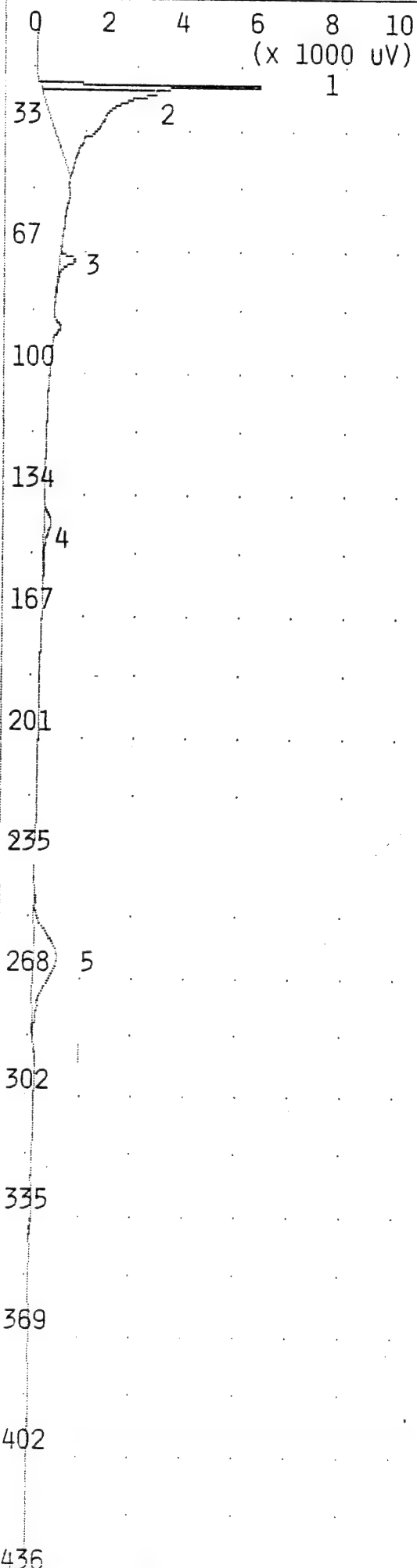
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 40.37 MVS | 18.8  |
| 2  | BENZENE       | 1.052 PPB | 67.4  |
| 3  | TOLUENE       | 1.967 PPB | 139.7 |
| 4  | UNKNOWN       | 18.32 MVS | 260.8 |
| 5  | ETHYLBENZENE  | 0.635 PPB | 294.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-001BH 33.5-34.5

ANALYSIS #6 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 09:34

SAMPLE TIME: Nov 9,94 09:26

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

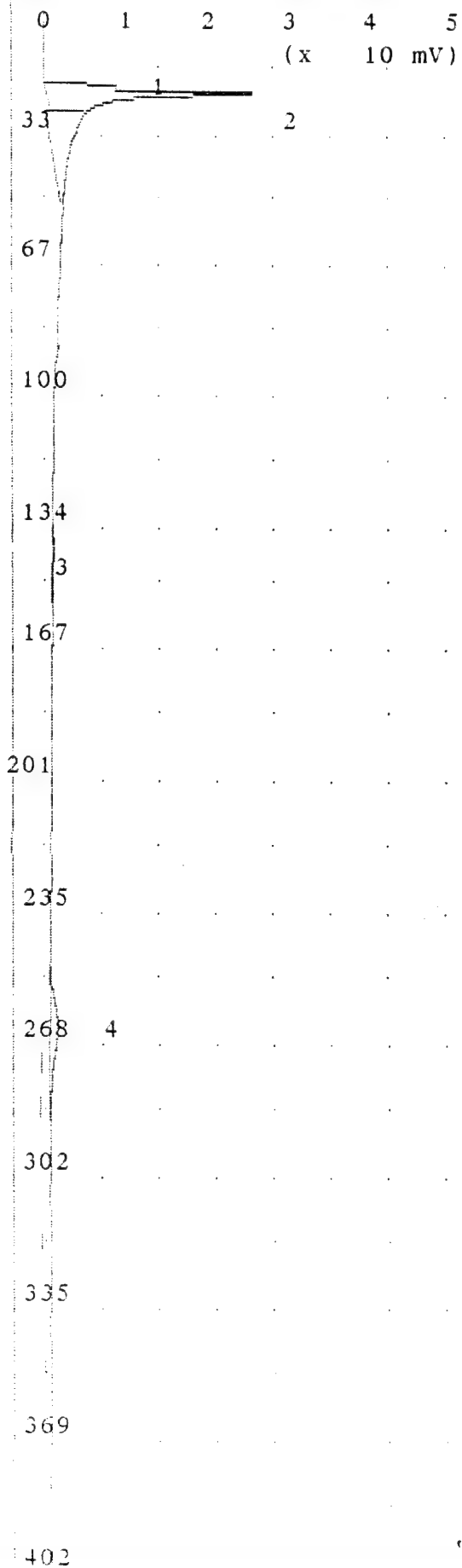
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.720 MVS | 18.8  |
| 2  | UNKNOWN       | 27.54 MVS | 20.8  |
| 3  | BENZENE       | 0.851 PPB | 67.4  |
| 4  | TOLUENE       | 1.562 PPB | 139.8 |
| 5  | UNKNOWN       | 9.268 MVS | 260.5 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 A48-001BH 38.5-39.5

Analysis #7 10S+ GC Function Analysis Report



Time Printed: Nov 9, 94 10:37

Sample Time: Nov 9, 94 10:29

Method

Slope Up 0.500 mV/Sec  
 Slope Down 1.500 mV/Sec  
 Min Area 0.000 mVSec  
 Min Height 0.000 mV  
 Analysis Delay 0.0 sec  
 Window Percent 10.0 %  
 Det Flow 12 ml/min  
 B/F Flow 12 ml/min  
 Aux Flow 0 ml/min  
 Oven Temp 40 C  
 Amb Temp 29 C  
 Max Gain 1000  
 Analysis Time 470.0 sec

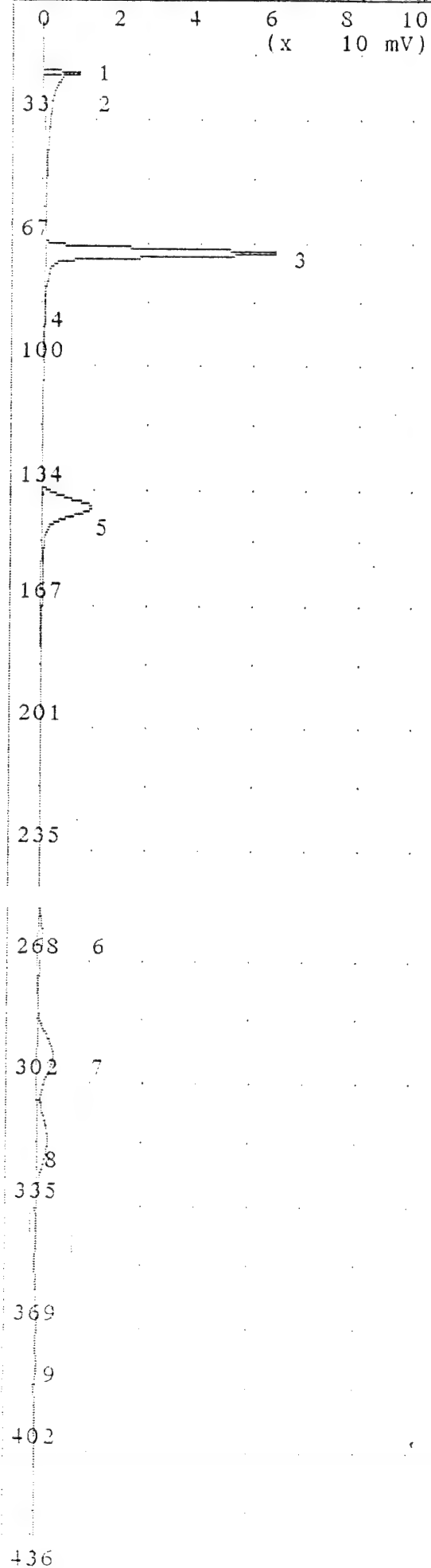
Peak Report

| Pk | Compound Name | Area/Conc | R.T.  |
|----|---------------|-----------|-------|
| 1  | Unknown       | 10.83 mVS | 18.7  |
| 2  | Unknown       | 104.3 mVS | 20.6  |
| 3  | Toluene       | 1.361 ppb | 140.1 |
| 4  | Unknown       | 12.27 mVS | 261.8 |

Notes

Joe Byrd, Jr.  
 Coos Bay ANG  
 9 Nov 1994  
 A48-002BH 3.5-5.0

# Analysis #8 10S+ GC Function Analysis Report



Time Printed: Nov 9,94 10:49  
Sample Time: Nov 9,94 10:41

## Method

Slope Up 0.500 mV/Sec  
Slope Down 1.500 mV/Sec  
Min Area 0.000 mVSec  
Min Height 0.000 mV  
Analysis Delay 0.0 sec  
Window Percent 10.0 %  
Det Flow 12 ml/min  
B/F Flow 12 ml/min  
Aux Flow 0 ml/min  
Oven Temp 40 C  
Amb Temp 29 C  
Max Gain 1000  
Analysis Time 470.0 sec

## Peak Report

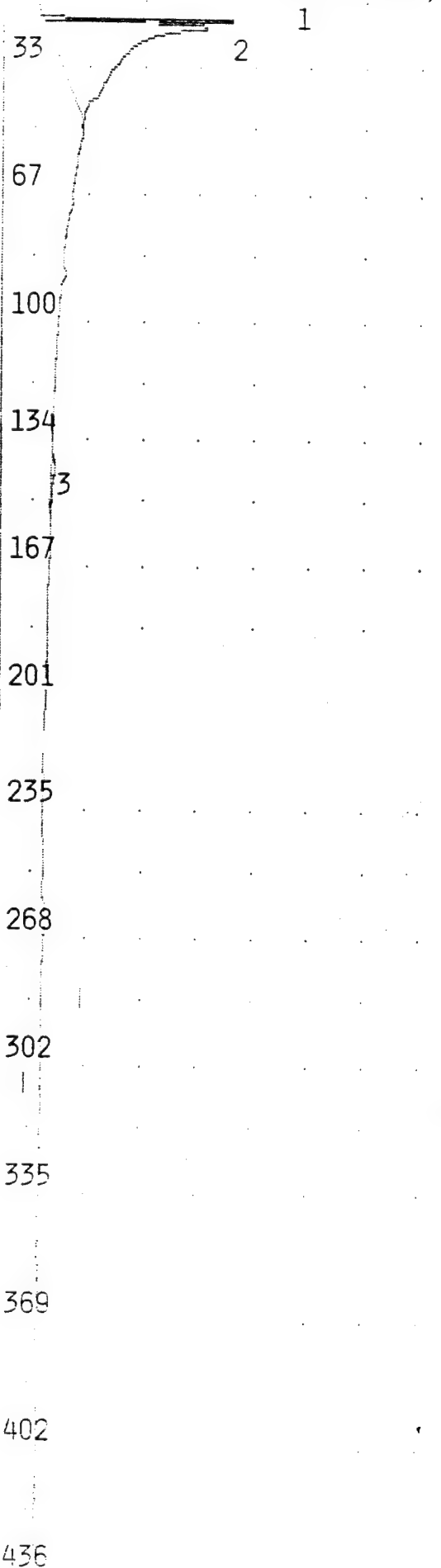
| Pk | Compound Name | Area/Conc | R.T.  |
|----|---------------|-----------|-------|
| 1  | Unknown       | 13.57 mVS | 18.8  |
| 2  | Unknown       | 41.93 mVS | 20.6  |
| 3  | Benzene       | 104.6 ppb | 67.4  |
| 4  | Unknown       | 0.412 mVS | 85.2  |
| 5  | Toluene       | 101.0 ppb | 139.4 |
| 6  | Unknown       | 15.81 mVS | 259.4 |
| 7  | Ethylbenzene  | 104.3 ppb | 292.5 |
| 8  | m,p-Xylene    | 209.6 ppb | 315.4 |
| 9  | o-Xylene      | 107.4 ppb | 373.0 |

## Notes

Joe Byrd, Jr.  
Coos Bay ANG  
9 Nov 1994  
100 ppb btex

ANALYSIS #9

## 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 1000 uV)

TIME PRINTED: NOV 9,94 11:02

SAMPLE TIME: NOV 9,94 10:54

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 470.0 | SEC    |

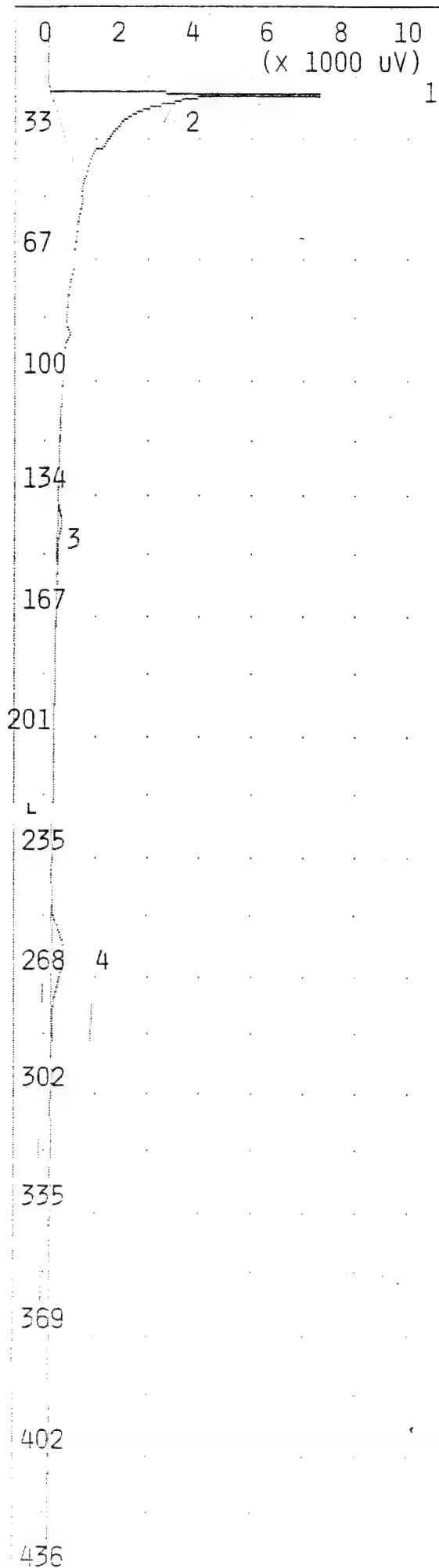
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.269 MVS | 18.8  |
| 2  | UNKNOWN       | 36.61 MVS | 20.8  |
| 3  | TOLUENE       | 0.690 PPB | 139.7 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 NOV 1994  
AIR BLANK

ANALYSIS #10 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 11:13

SAMPLE TIME: Nov 9,94 11:05

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

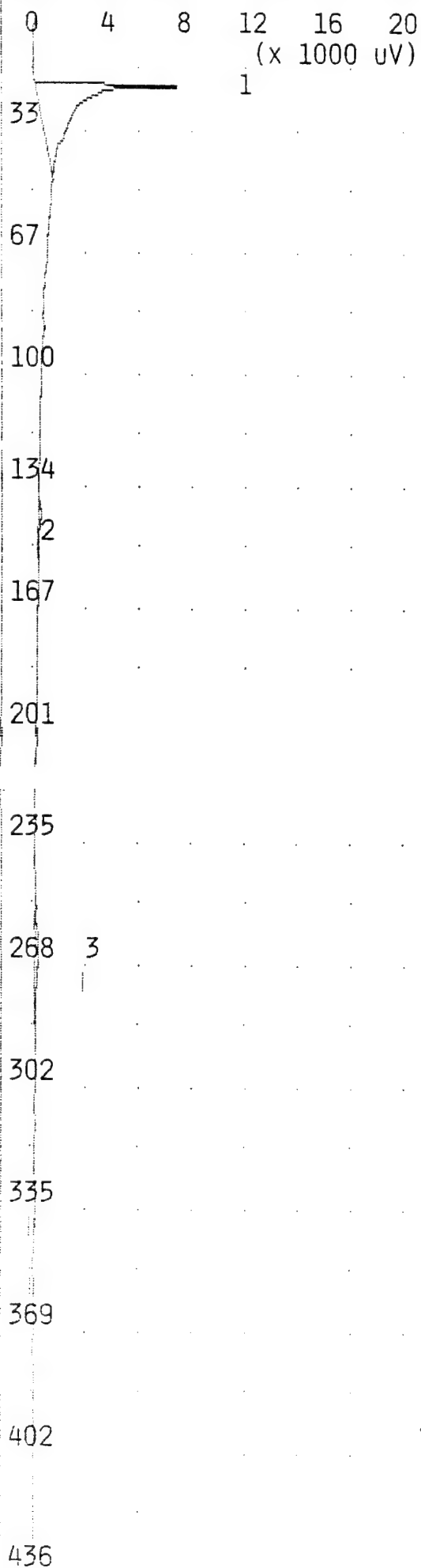
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 40.90 MVS | 18.8  |
| 2  | UNKNOWN       | 0.147 MVS | 20.6  |
| 3  | TOLUENE       | 0.872 PPB | 139.6 |
| 4  | UNKNOWN       | 5.037 MVS | 260.0 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 A48-002BH 8.5-10.0

## ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 11:24

SAMPLE TIME: Nov 9,94 11:16

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 470.0 | SEC    |

## PEAK REPORT

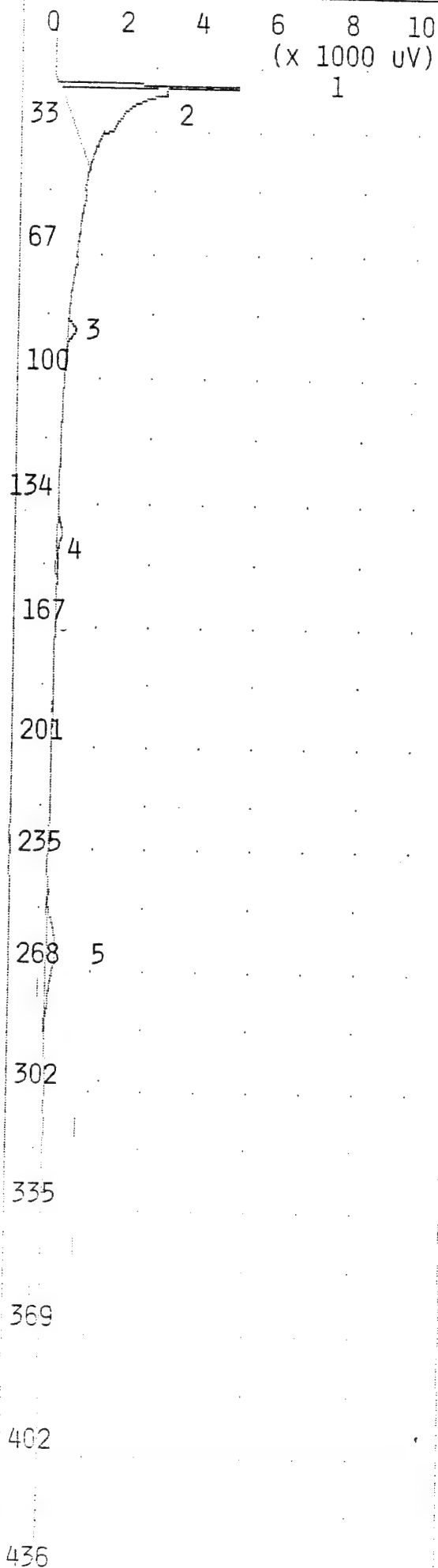
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 40.41 MVS | 18.7  |
| 2  | TOLUENE       | 0.918 PPB | 140.0 |
| 3  | UNKNOWN       | 2.405 MVS | 261.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-002BH 13.5-15.0

## ANALYSIS #12

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 11:36

SAMPLE TIME: NOV 9,94 11:28

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.910 MVS | 18.7  |
| 2  | UNKNOWN       | 23.43 MVS | 20.8  |
| 3  | UNKNOWN       | 0.887 MVS | 85.6  |
| 4  | TOLUENE       | 0.900 PPB | 139.8 |
| 5  | UNKNOWN       | 3.416 MVS | 260.2 |

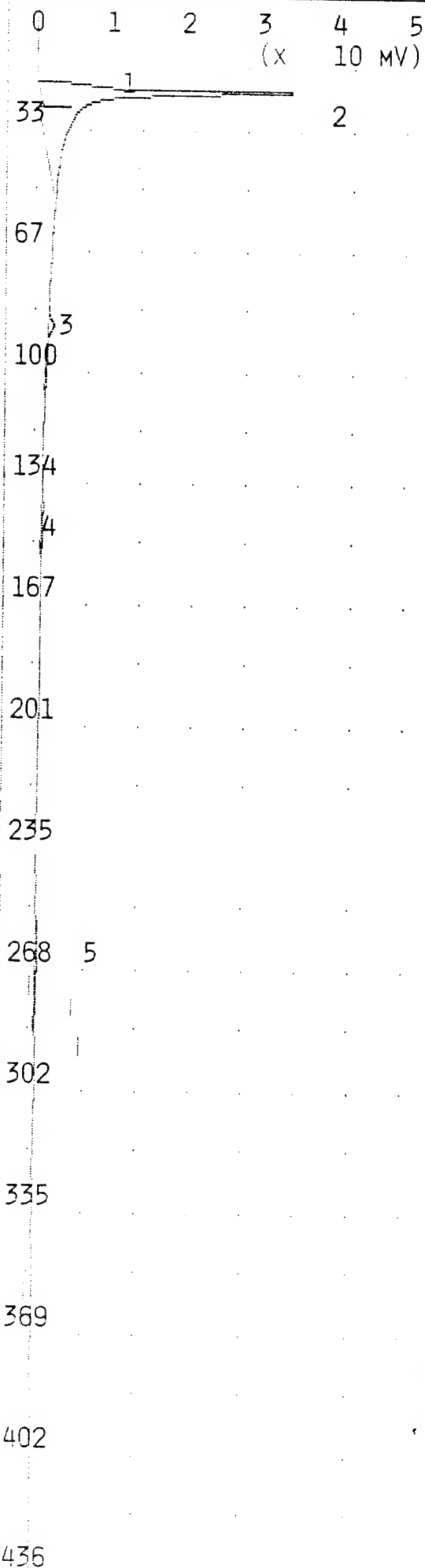
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-002BH 18.5-20.0



## ANALYSIS #13

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 11:47

SAMPLE TIME: NOV 9,94 11:39

## METHOD

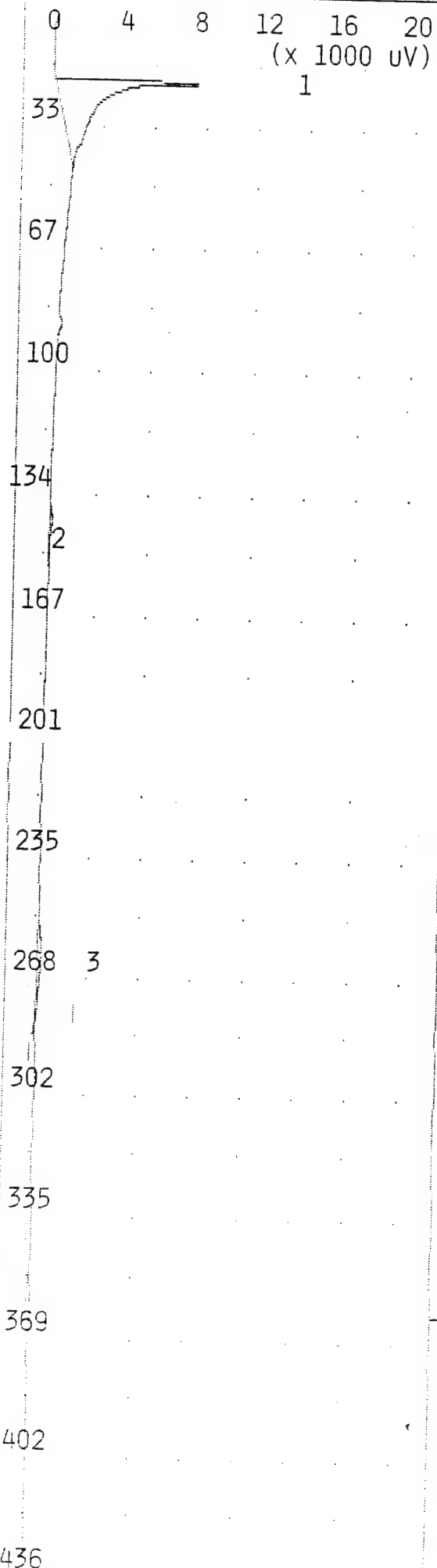
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.579 MVS | 18.7  |
| 2  | UNKNOWN       | 125.7 MVS | 20.6  |
| 3  | UNKNOWN       | 4.370 MVS | 85.6  |
| 4  | TOLUENE       | 1.332 PPB | 139.3 |
| 5  | UNKNOWN       | 3.555 MVS | 260.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
9 Nov 1994  
A48-002BH 23.5-25.0



TIME PRINTED: Nov 9,94 11:58

SAMPLE TIME: Nov 9,94 11:50

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 43.71 MVS | 18.6  |
| 2  | TOLUENE       | 1.033 PPB | 139.4 |
| 3  | UNKNOWN       | 3.168 MVS | 259.7 |

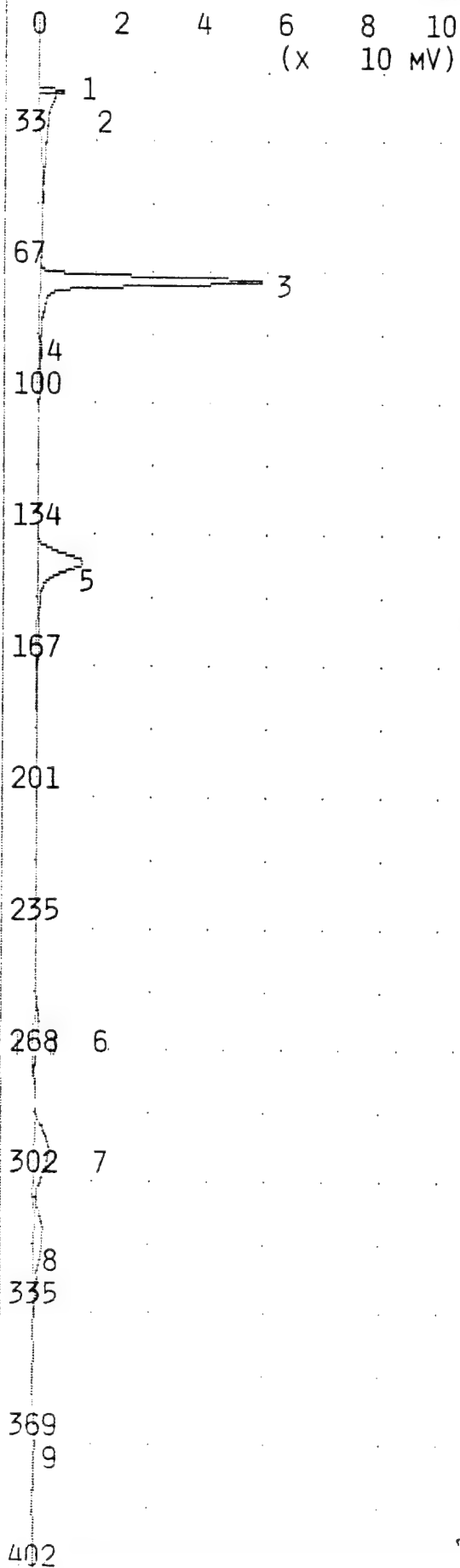
## NOTES

JOE BYRD, JR.

COOS BAY ANG

9 Nov 1994

A48-002BH 28.5-29.5



TIME PRINTED: NOV 9,94 12:09

SAMPLE TIME: NOV 9,94 12:02

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

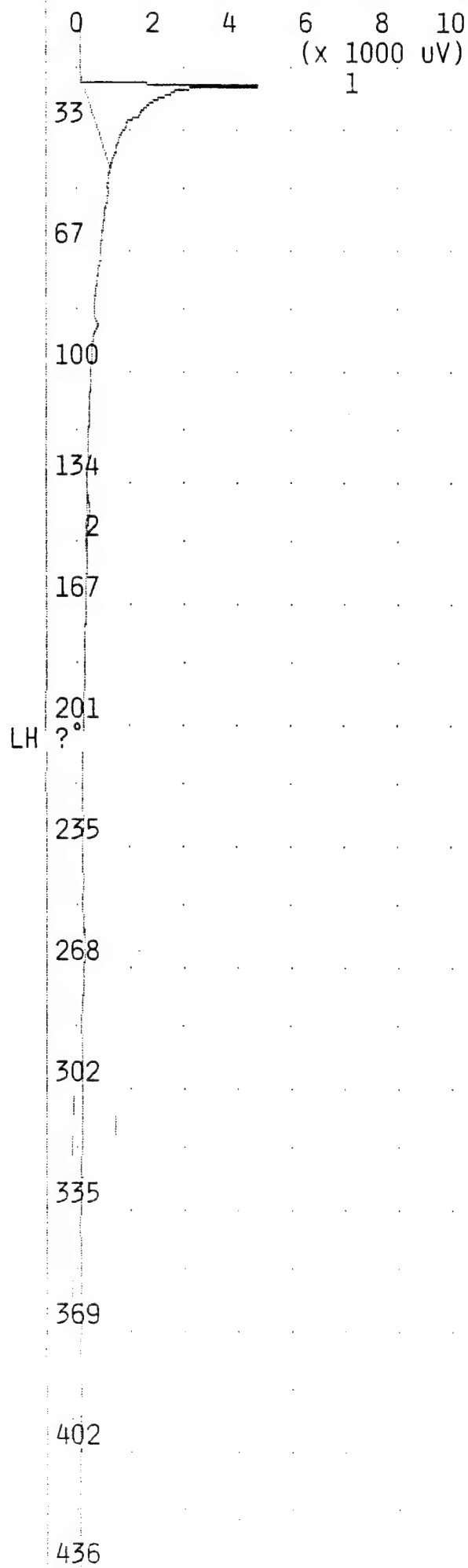
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.033 MVS | 18.6  |
| 2  | UNKNOWN       | 36.47 MVS | 20.6  |
| 3  | BENZENE       | 95.38 PPB | 67.3  |
| 4  | UNKNOWN       | 0.706 MVS | 85.3  |
| 5  | TOLUENE       | 88.71 PPB | 139.3 |
| 6  | UNKNOWN       | 17.87 MVS | 260.0 |
| 7  | ETHYLBENZENE  | 91.55 PPB | 292.2 |
| 8  | M,P-XYLENE    | 180.8 PPB | 314.6 |
| 9  | O-XYLENE      | 96.66 PPB | 371.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
100 PPB BTEX

## ANALYSIS #16

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 12:21

SAMPLE TIME: Nov 9,94 12:13

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

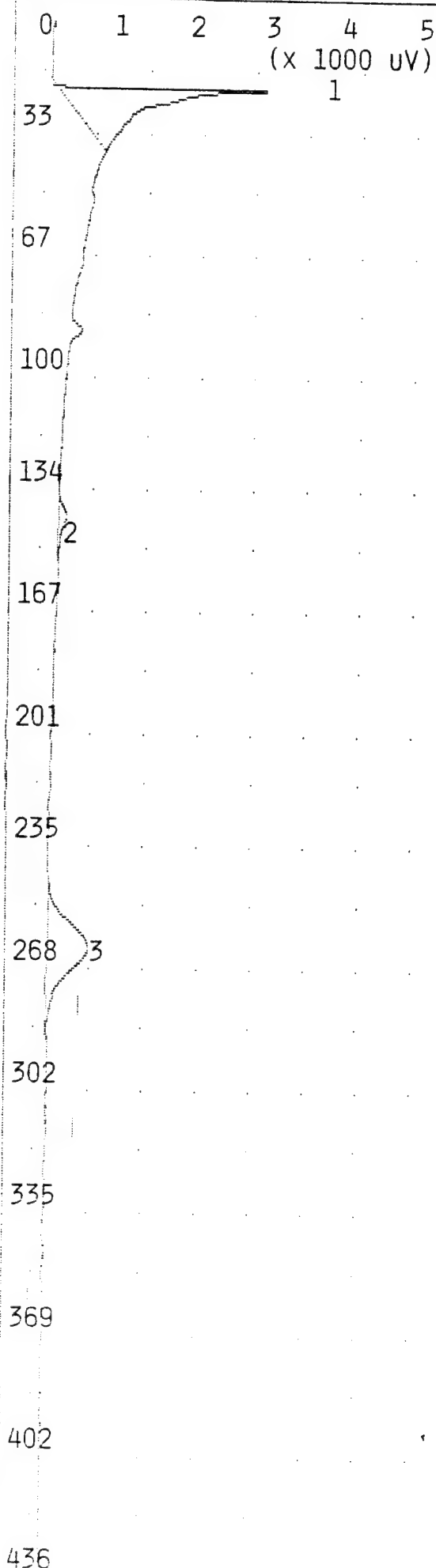
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 25.89 MVS | 18.7  |
| 2  | TOLUENE       | 0.609 PPB | 138.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
9 Nov 1994  
AIR BLANK

## ANALYSIS #17

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 12:32

SAMPLE TIME: Nov 9,94 12:24

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 14.28 MVS | 18.9  |
| 2  | TOLUENE       | 0.855 PPB | 139.6 |
| 3  | UNKNOWN       | 8.430 MVS | 260.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-002BH 33.5-34.5

ANALYSIS #18

## 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5  
(x 1000 UV)

33

67

100

134

167

201

235

268

302

335

369

402

436

TIME PRINTED: NOV 9,94 12:43

SAMPLE TIME: NOV 9,94 12:36

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.064 MVS | 19.2  |
| 2  | UNKNOWN       | 0.200 MVS | 49.2  |
| 3  | UNKNOWN       | 4.570 MVS | 262.1 |

## NOTES

JOE BYRD, JR.

COOS BAY ANGCS

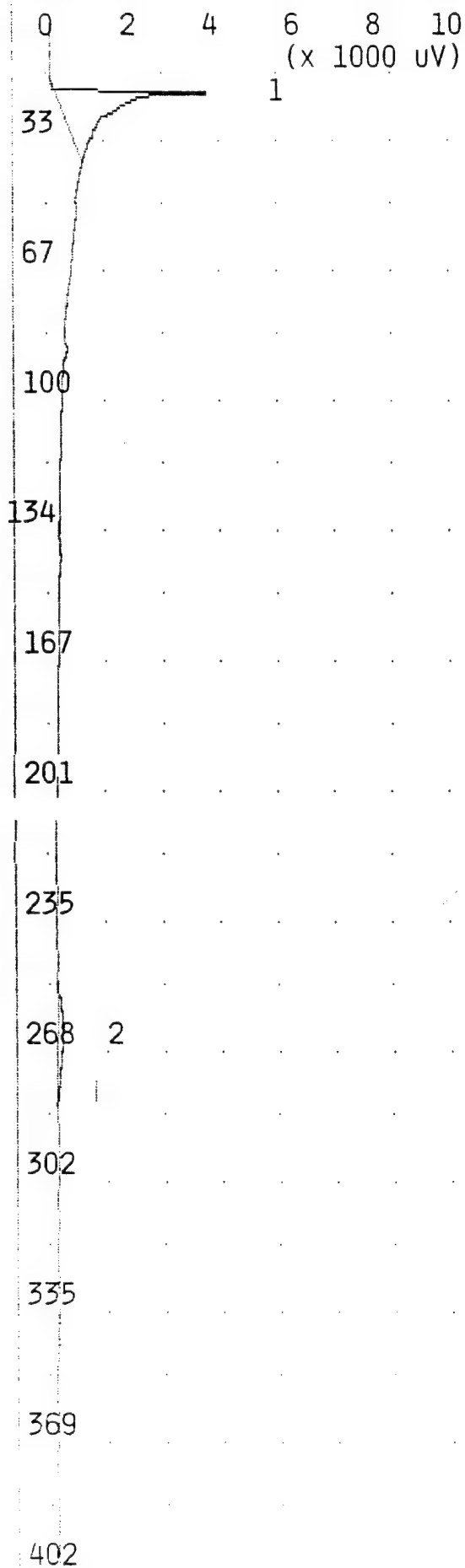
9 NOV 1994

A48-007BH 3.5-5.0

2 38.5-39.5

## ANALYSIS #19

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 12:55

SAMPLE TIME: Nov 9,94 12:47

## METHOD

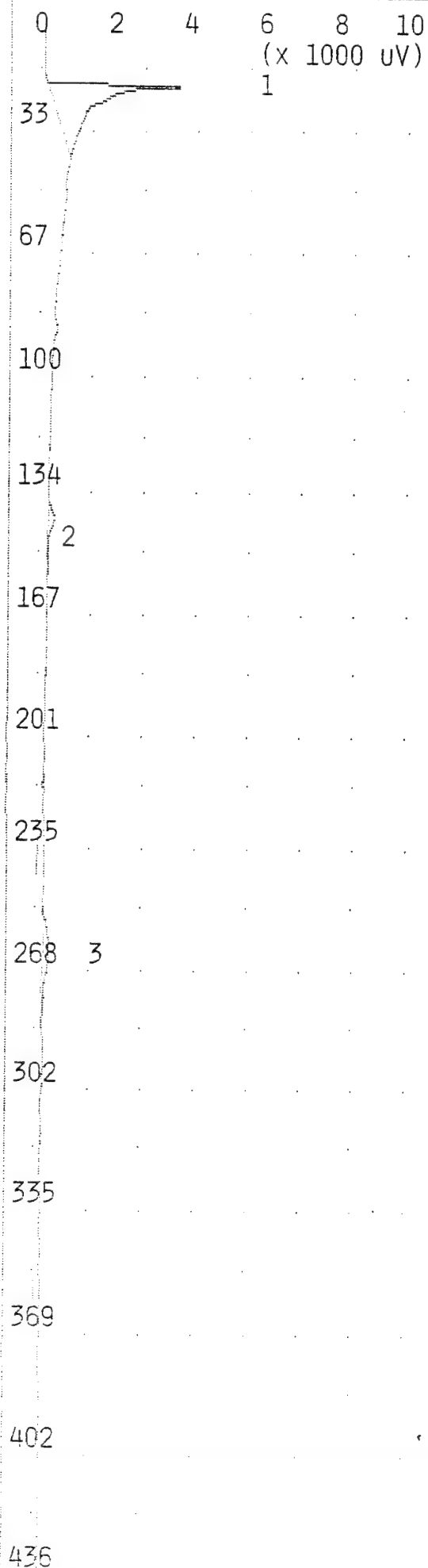
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.73 MVS | 18.8  |
| 2  | UNKNOWN       | 1.921 MVS | 260.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-003BH 3.5- 5.0



TIME PRINTED: NOV 9,94 13:05

SAMPLE TIME: NOV 9,94 12:57

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 18.10 MVS | 18.7  |
| 2  | TOLUENE       | 1.310 PPB | 139.2 |
| 3  | UNKNOWN       | 2.526 MVS | 259.7 |

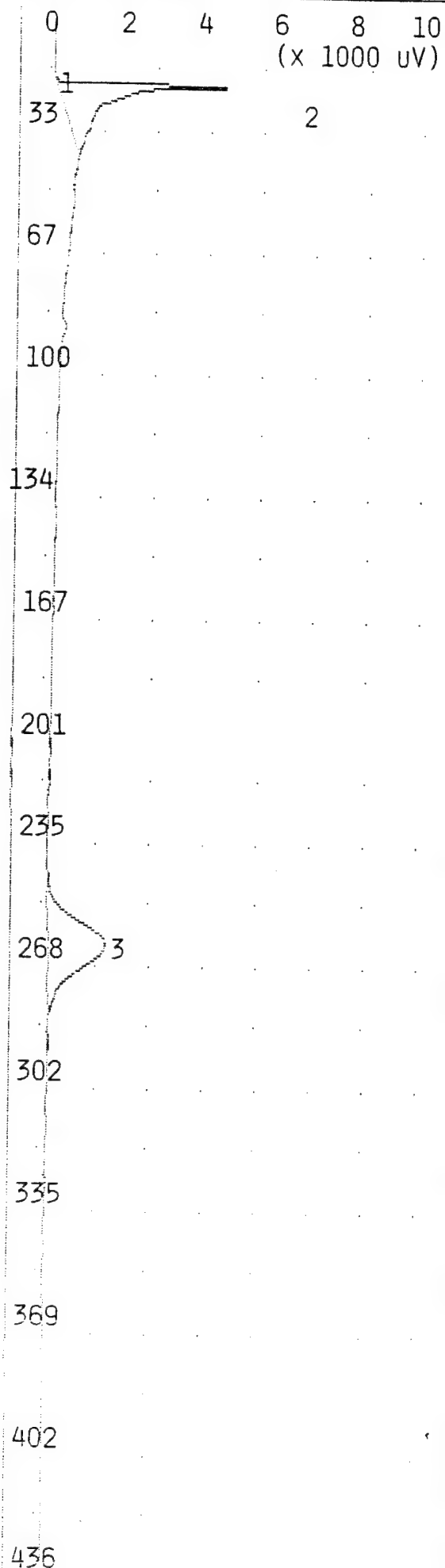
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-003BH 8.5-10.0



ANALYSIS #21

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 13:19

SAMPLE TIME: NOV 9,94 13:11

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

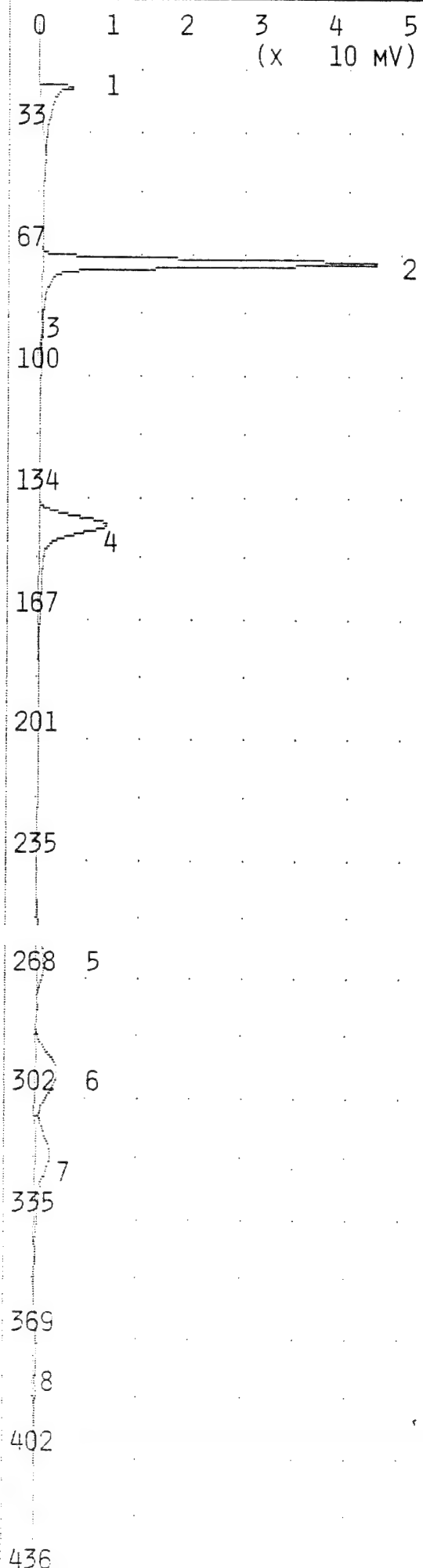
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.052 MVS | 17.3  |
| 2  | UNKNOWN       | 20.09 MVS | 18.7  |
| 3  | UNKNOWN       | 23.58 MVS | 260.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994

A48-003BH ~~8.5-10.0~~  
13.5-15.0

ANALYSIS #22 10S+ GC FUNCTION ANALYSIS REPORT

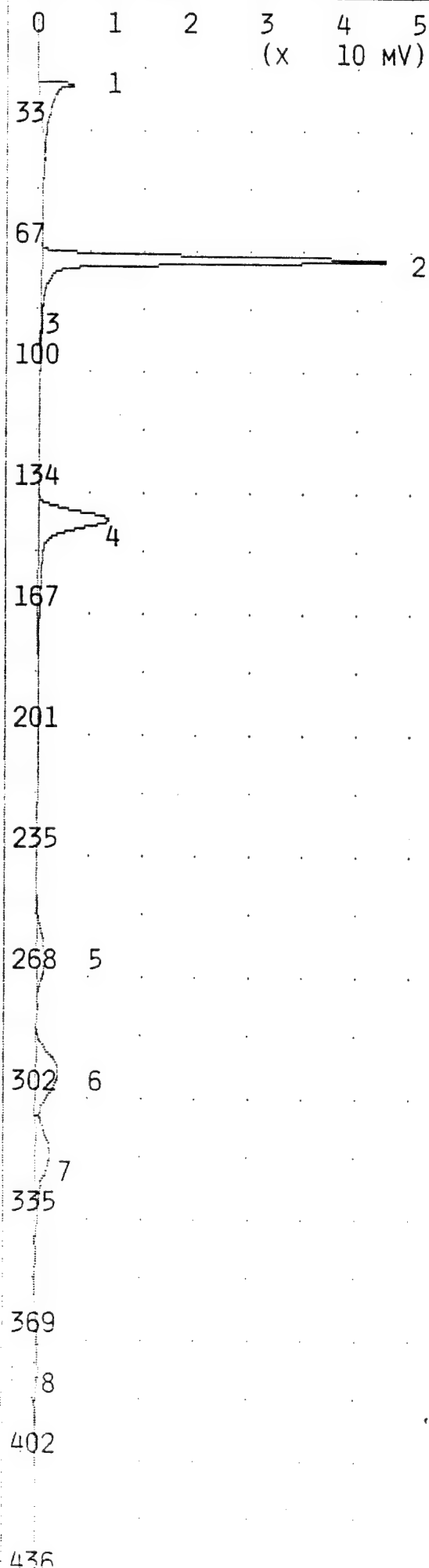


TIME PRINTED: NOV 9,94 13:31  
 SAMPLE TIME: NOV 9,94 13:23  
 METHOD  
 SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

| PEAK REPORT |               |           |       |
|-------------|---------------|-----------|-------|
| PK          | COMPOUND NAME | AREA/CONC | R.T.  |
| 1           | UNKNOWN       | 27.32 MVS | 18.6  |
| 2           | BENZENE       | 78.50 PPB | 67.3  |
| 3           | UNKNOWN       | 0.150 MVS | 85.3  |
| 4           | TOLUENE       | 76.15 PPB | 139.4 |
| 5           | UNKNOWN       | 17.78 MVS | 260.8 |
| 6           | ETHYLBENZENE  | 77.88 PPB | 293.0 |
| 7           | M,P-XYLENE    | 150.2 PPB | 315.4 |
| 8           | O-XYLENE      | 81.21 PPB | 373.6 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS  
 9 Nov 1994  
 100 PPB BTEX



TIME PRINTED: Nov 9,94 13:39

SAMPLE TIME: Nov 9,94 13:23

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 27.32 MVS | 18.6  |
| 2  | BENZENE       | 100.0 PPB | 67.3  |
| 3  | UNKNOWN       | 0.150 MVS | 85.3  |
| 4  | TOLUENE       | 100.0 PPB | 139.4 |
| 5  | UNKNOWN       | 17.78 MVS | 260.8 |
| 6  | ETHYLBENZENE  | 100.0 PPB | 293.0 |
| 7  | M,P-XYLENE    | 199.9 PPB | 315.4 |
| 8  | O-XYLENE      | 99.99 PPB | 373.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
100 PPB BTEX

## ANALYSIS #23

## 10S+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: NOV 9,94 13:51

SAMPLE TIME: NOV 9,94 13:43

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 18.93 MVS | 18.7  |
| 2  | UNKNOWN       | 1.182 MVS | 260.2 |

## NOTES

JOE BYRD, JR.

COOS BAY ANG

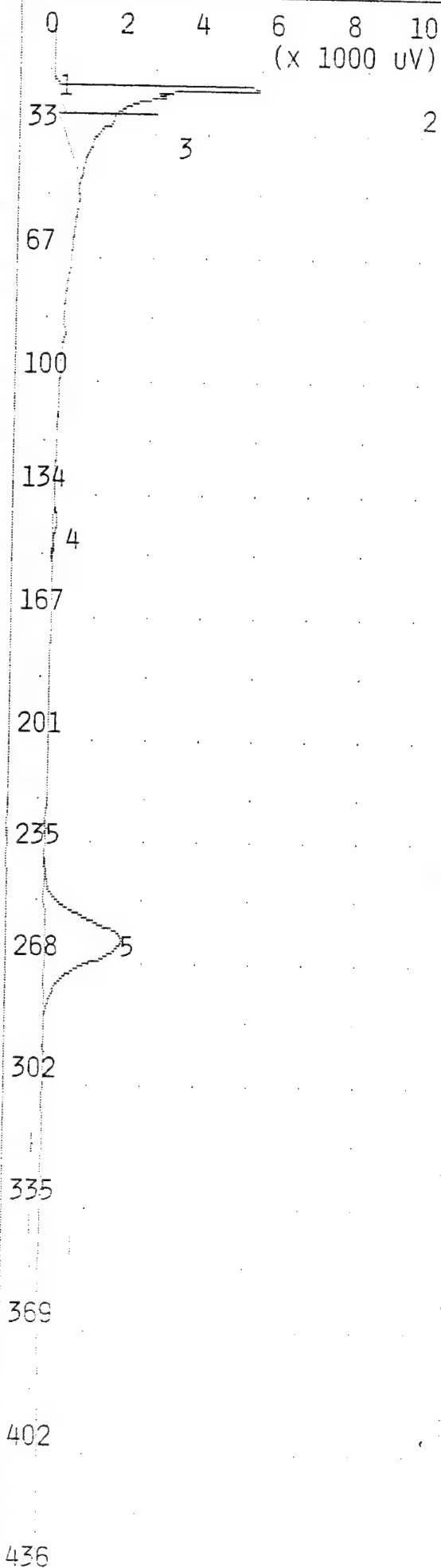
9 NOV 1994

~~100 PPB BTEX~~ 53

AIR BLANK

LH

ANALYSIS #24 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 14:02  
SAMPLE TIME: Nov 9,94 13:54

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

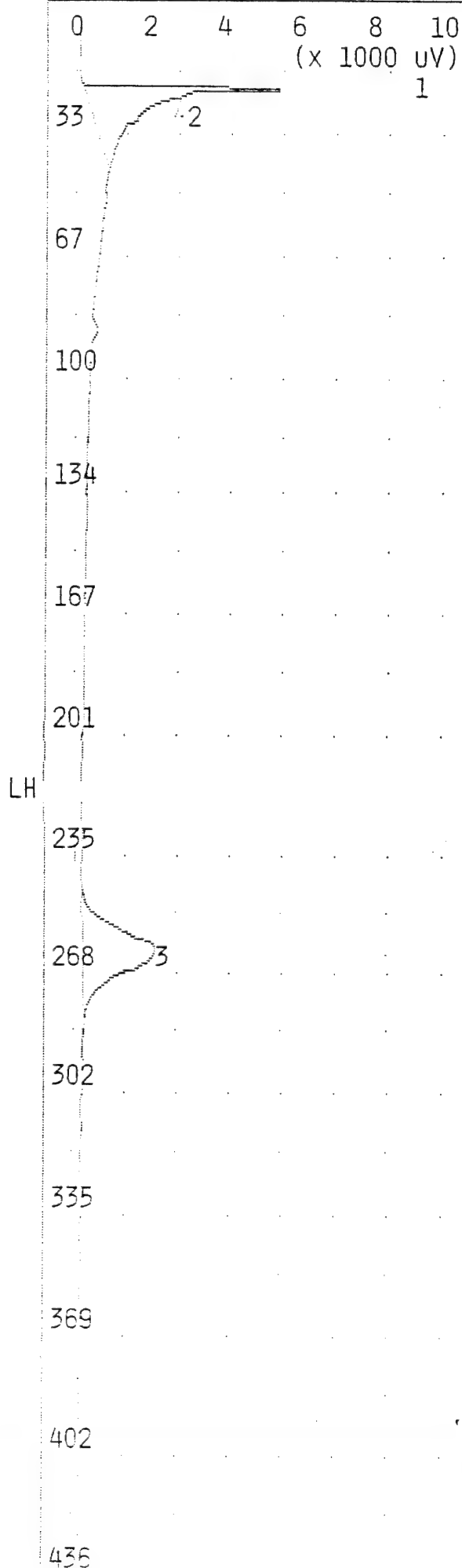
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.038 MVS | 17.2  |
| 2  | UNKNOWN       | 11.26 MVS | 18.6  |
| 3  | UNKNOWN       | 19.49 MVS | 21.3  |
| 4  | TOLUENE       | 0.785 PPB | 139.4 |
| 5  | UNKNOWN       | 30.59 MVS | 260.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-003BH 18.5-20.0

ANALYSIS #25 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 14:13

SAMPLE TIME: NOV 9,94 14:05

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

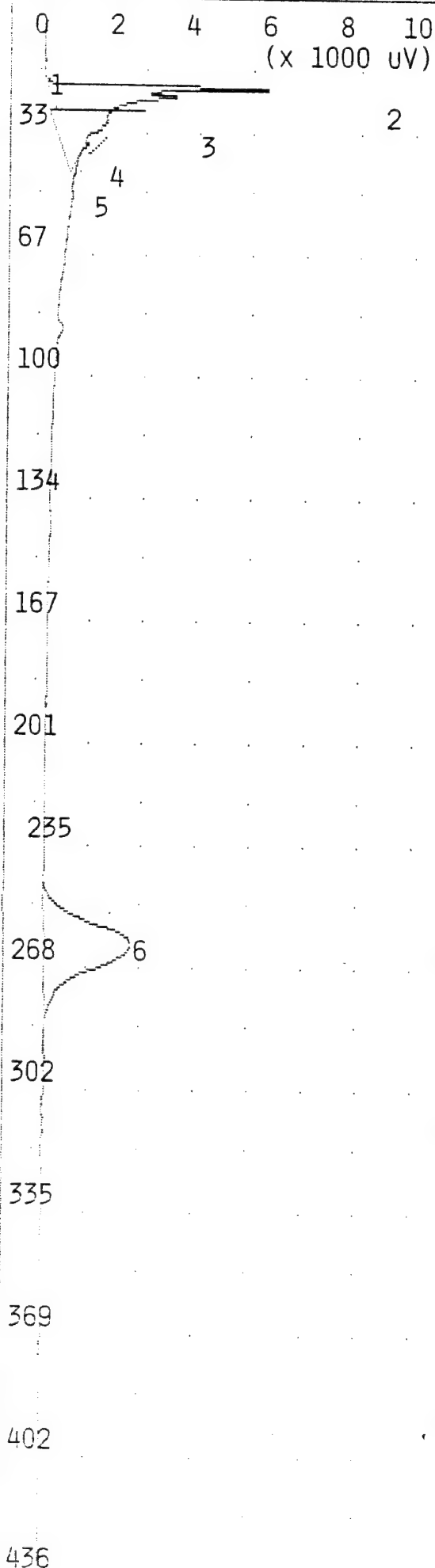
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 28.75 MVS | 18.6  |
| 2  | UNKNOWN       | 0.061 MVS | 20.4  |
| 3  | UNKNOWN       | 30.32 MVS | 259.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 A48-003BH 23.5-24.5

ANALYSIS #26 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 14:29  
SAMPLE TIME: Nov 9,94 14:21

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

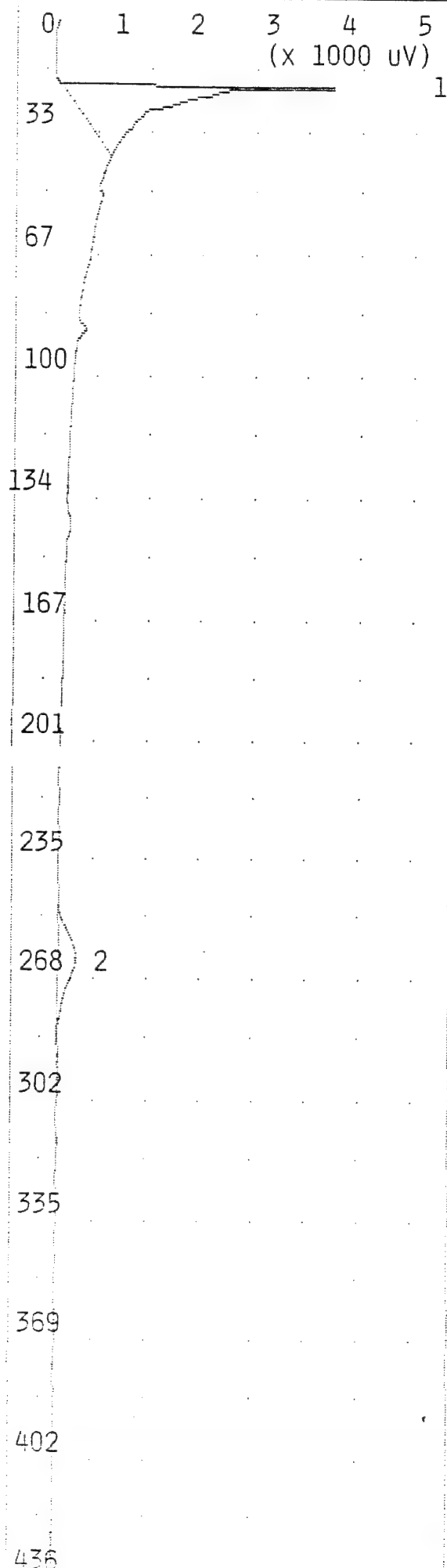
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.106 MVS | 17.4  |
| 2  | UNKNOWN       | 9.201 MVS | 18.7  |
| 3  | UNKNOWN       | 21.83 MVS | 21.4  |
| 4  | UNKNOWN       | 0.489 MVS | 28.0  |
| 5  | UNKNOWN       | 0.133 MVS | 34.3  |
| 6  | UNKNOWN       | 36.27 MVS | 260.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-003BH 28.5-30.0

ANALYSIS #27 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 14:40

SAMPLE TIME: Nov 9,94 14:32

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

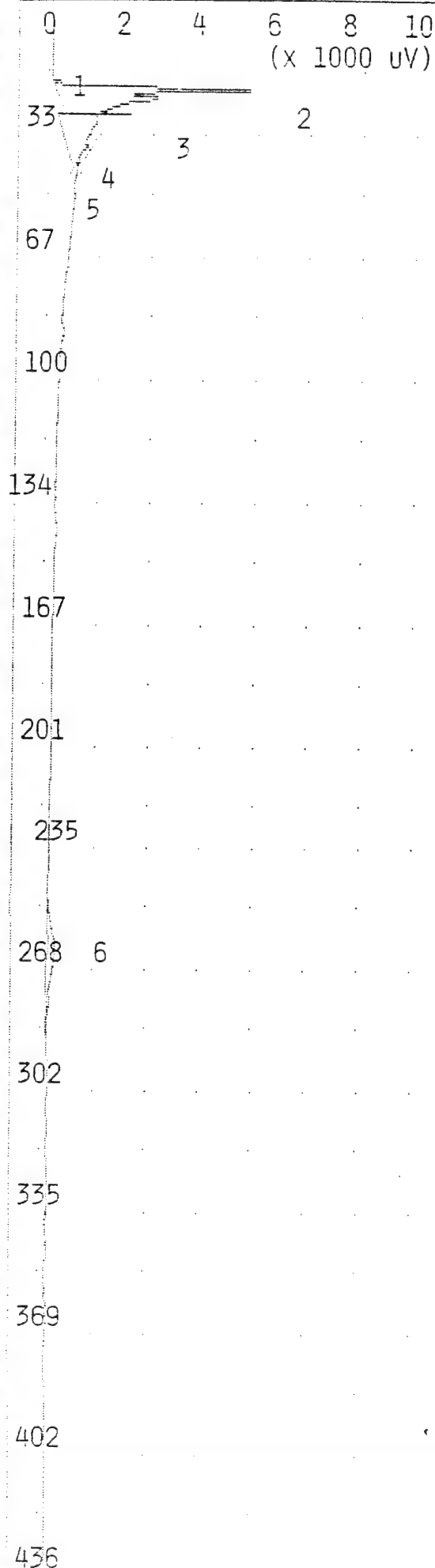
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 18.50 MVS | 18.8  |
| 2  | UNKNOWN       | 3.879 MVS | 260.5 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS  
 9 Nov 1994  
 A48-003BH 33.5-34.5





TIME PRINTED: NOV 9,94 14:53

SAMPLE TIME: NOV 9,94 14:45

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

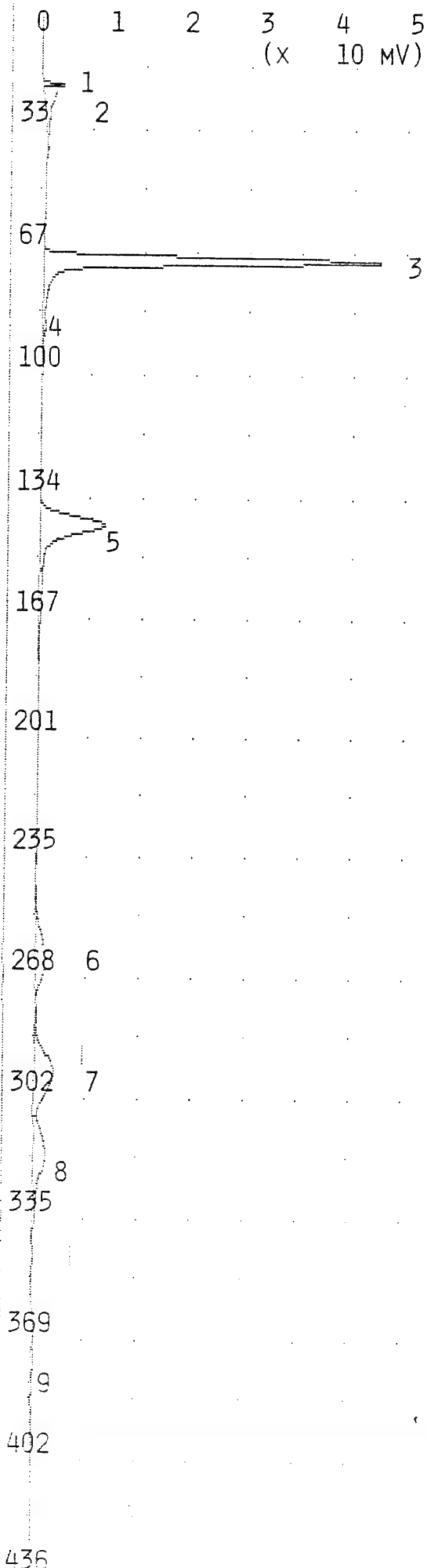
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.230 MVS | 17.4  |
| 2  | UNKNOWN       | 8.424 MVS | 18.8  |
| 3  | UNKNOWN       | 15.76 MVS | 21.4  |
| 4  | UNKNOWN       | 0.124 MVS | 28.2  |
| 5  | UNKNOWN       | 0.120 MVS | 34.5  |
| 6  | UNKNOWN       | 3.068 MVS | 261.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
A48-003BH 38.5-39.5

ANALYSIS #29 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 15:04

SAMPLE TIME: Nov 9,94 14:56

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

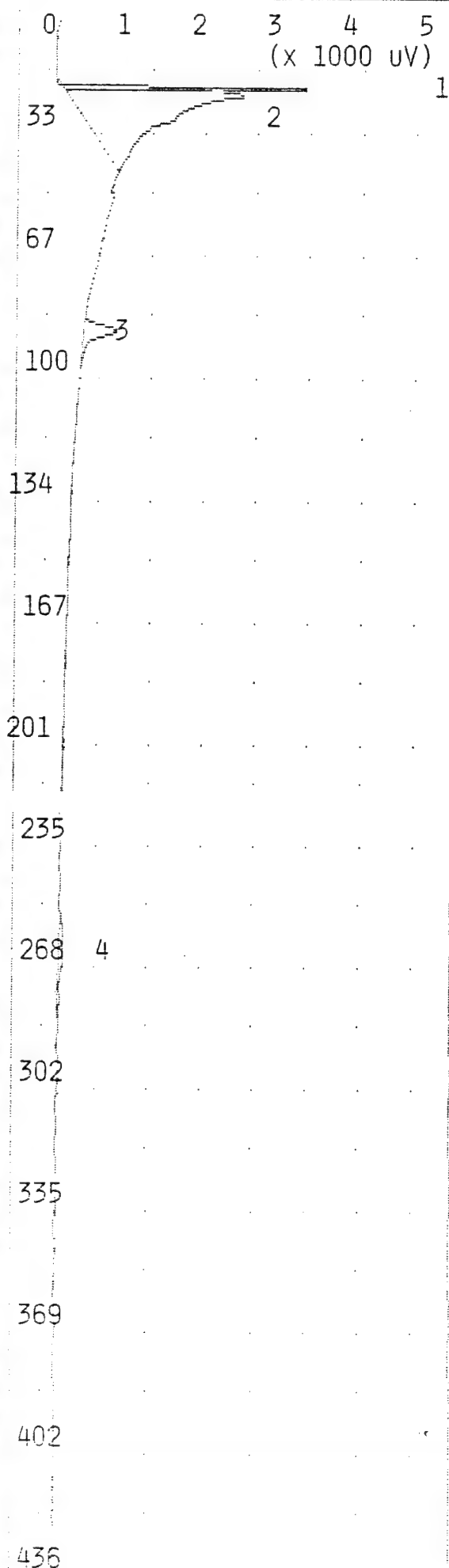
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.509 MVS | 18.8  |
| 2  | UNKNOWN       | 12.78 MVS | 20.7  |
| 3  | BENZENE       | 99.96 PPB | 67.3  |
| 4  | UNKNOWN       | 0.549 MVS | 85.3  |
| 5  | TOLUENE       | 94.61 PPB | 139.4 |
| 6  | UNKNOWN       | 21.81 MVS | 260.5 |
| 7  | ETHYLBENZENE  | 89.52 PPB | 292.8 |
| 8  | M,P-XYLENE    | 176.7 PPB | 315.2 |
| 9  | O-XYLENE      | 86.58 PPB | 372.6 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG5  
 9 Nov 1994  
 100 PPB BTEX

ANALYSIS #30 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 15:15  
SAMPLE TIME: Nov 9,94 15:07

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

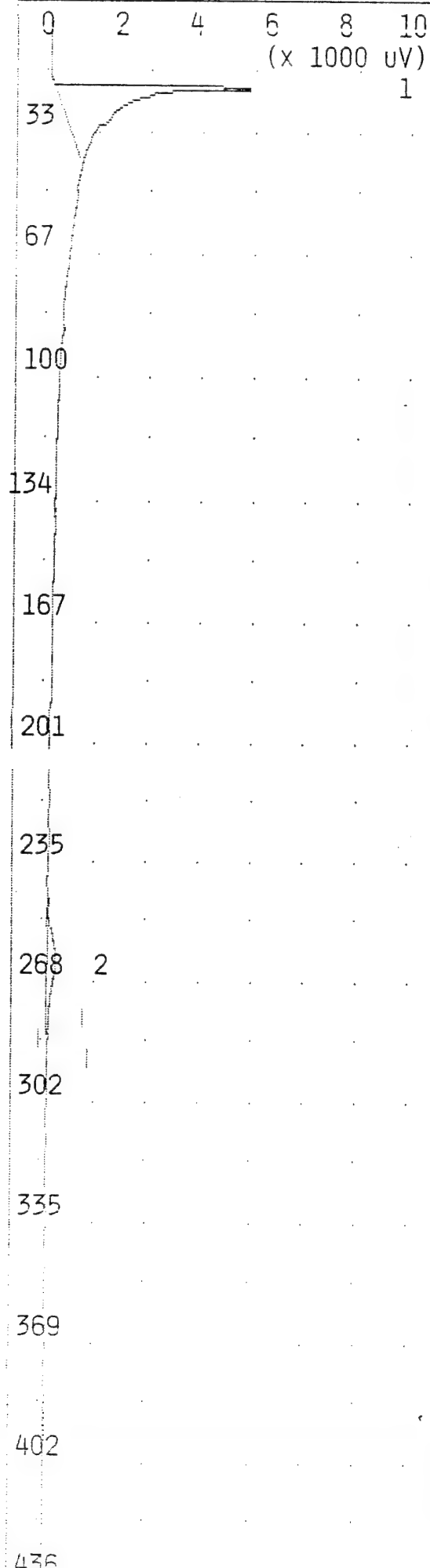
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.333 MVS | 18.7  |
| 2  | UNKNOWN       | 19.90 MVS | 20.7  |
| 3  | UNKNOWN       | 1.752 MVS | 85.4  |
| 4  | UNKNOWN       | 0.688 MVS | 260.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
AIR BLANK

ANALYSIS #31 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 15:26

SAMPLE TIME: NOV 9,94 15:18

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

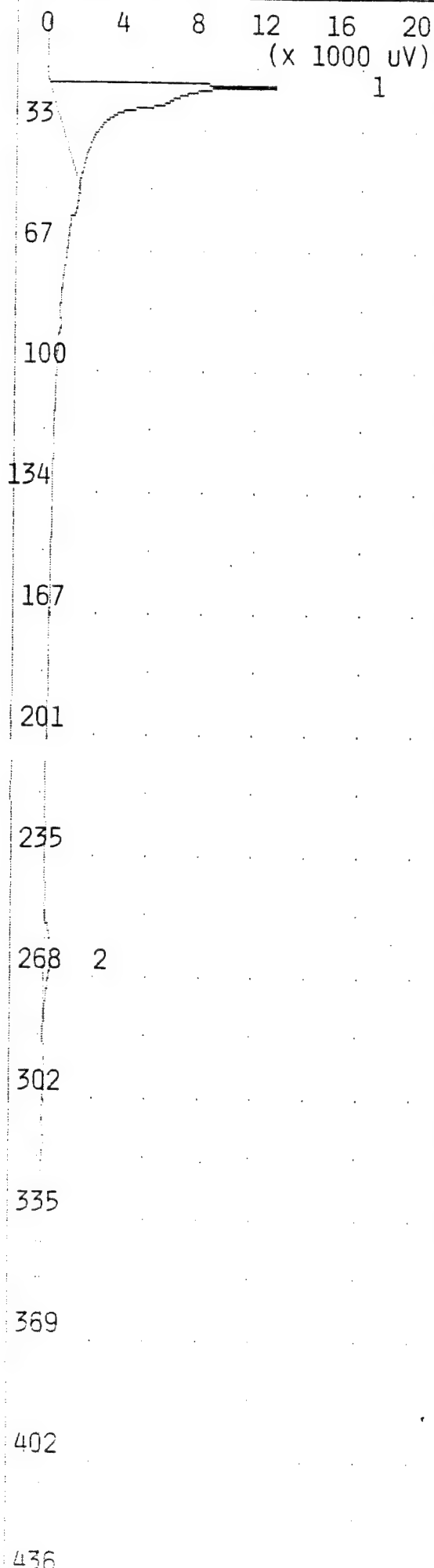
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 29.23 MVS | 18.6  |
| 2  | UNKNOWN       | 3.122 MVS | 260.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
9 Nov 1994  
FTA-001BH 1.0- 2.5

ANALYSIS #32 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 15:39  
SAMPLE TIME: NOV 9,94 15:31

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

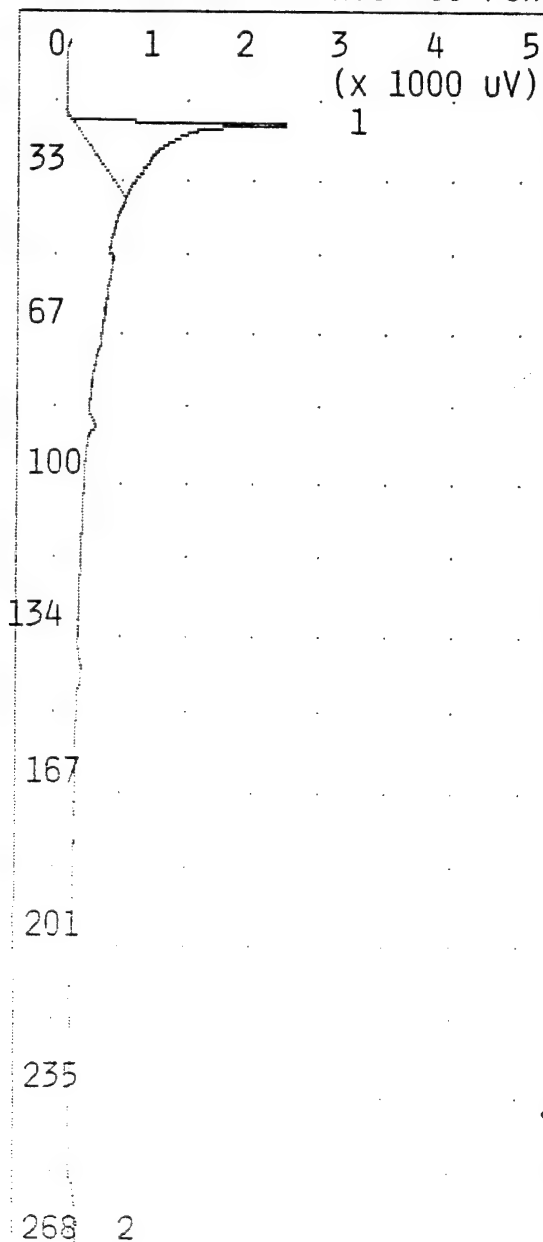
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 84.52 MVS | 18.7  |
| 2  | UNKNOWN       | 5.206 MVS | 260.2 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
9 Nov 1994  
FTA-001BH 4.5- 6.0

ANALYSIS #33 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 15:51  
SAMPLE TIME: Nov 9,94 15:43

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 11.08 mVS | 18.8  |
| 2  | UNKNOWN       | 1.266 mVS | 260.8 |

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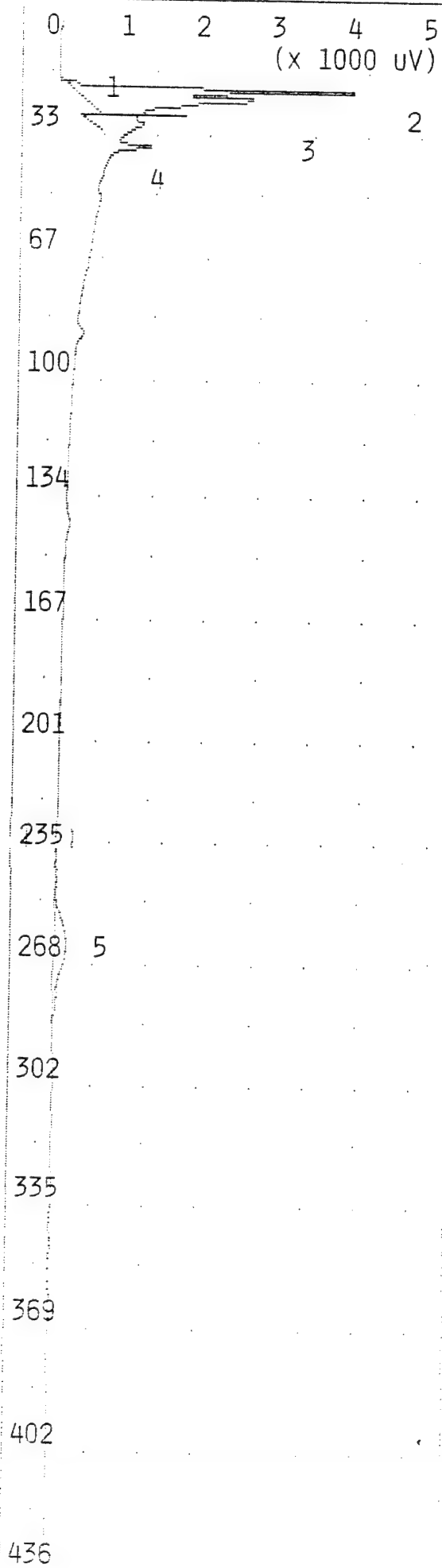
436

470

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-001BH 8.5- 9.5

# ANALYSIS #34 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 16:06  
 SAMPLE TIME: Nov 9,94 15:58

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

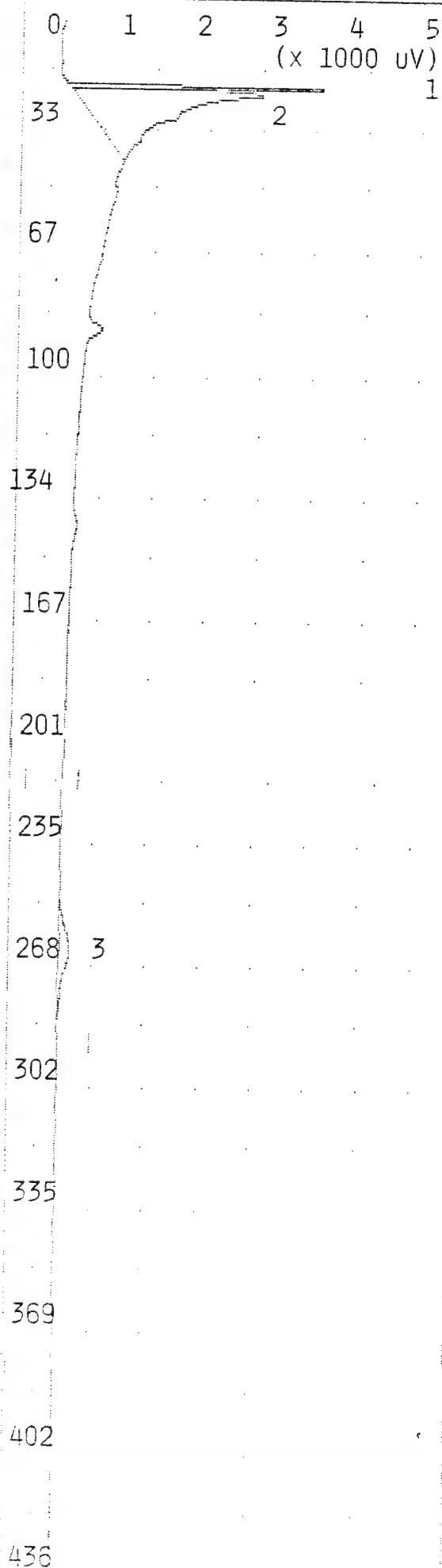
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.216 MVS | 17.4  |
| 2  | UNKNOWN       | 6.097 MVS | 19.0  |
| 3  | UNKNOWN       | 7.617 MVS | 21.4  |
| 4  | UNKNOWN       | 0.149 MVS | 28.4  |
| 5  | UNKNOWN       | 2.319 MVS | 261.3 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 FTA-001BH 13.5-14.0





TIME PRINTED: Nov 9,94 16:17

SAMPLE TIME: Nov 9,94 16:09

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

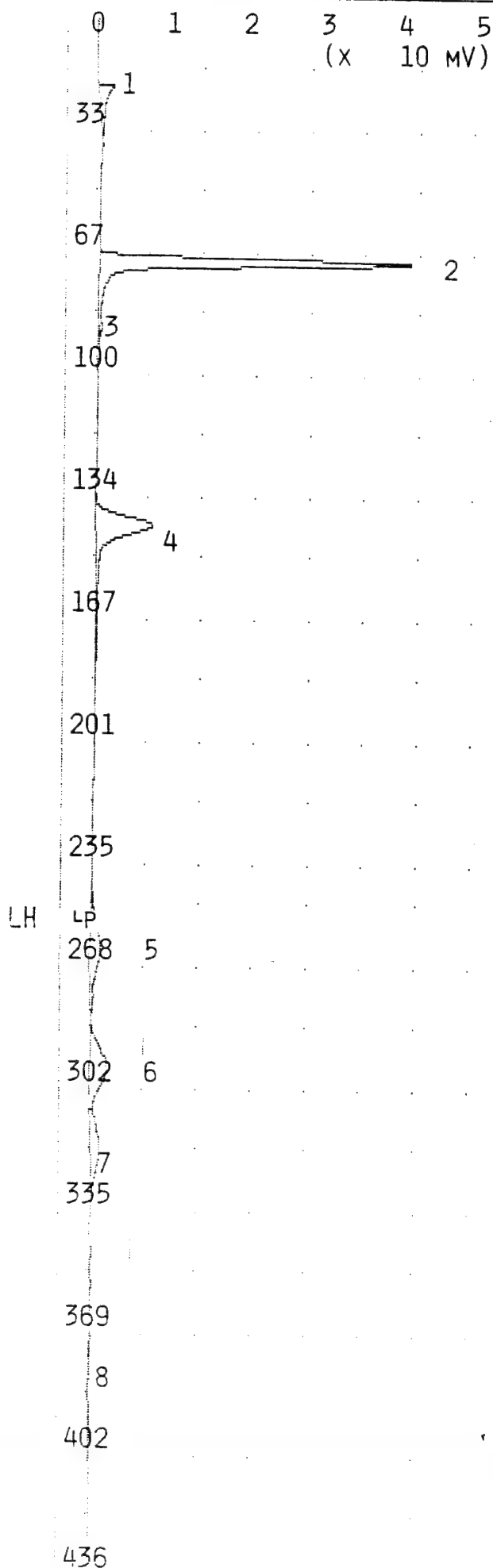
ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.376 MVS | 18.8  |
| 2  | UNKNOWN       | 19.19 MVS | 21.3  |
| 3  | UNKNOWN       | 2.010 MVS | 260.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-001BH 18.5-19.5



TIME PRINTED: Nov 9,94 16:28

SAMPLE TIME: Nov 9,94 16:20

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

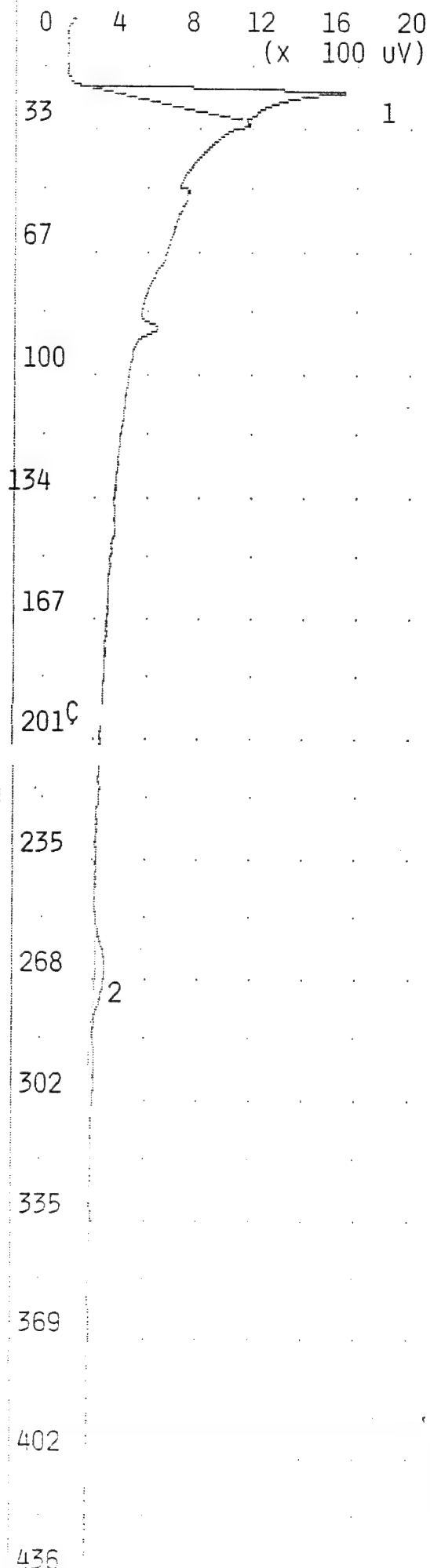
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 11.44 MVS | 19.0  |
| 2  | BENZENE       | 90.12 PPB | 67.4  |
| 3  | UNKNOWN       | 0.789 MVS | 85.8  |
| 4  | TOLUENE       | 82.77 PPB | 139.7 |
| 5  | UNKNOWN       | 18.90 MVS | 261.0 |
| 6  | ETHYLBENZENE  | 68.99 PPB | 293.3 |
| 7  | M,P-XYLENE    | 126.1 PPB | 316.8 |
| 8  | O-XYLENE      | 64.24 PPB | 373.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
9 Nov 1994  
100 PPB BTEX

## ANALYSIS #37 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 16:44

SAMPLE TIME: NOV 9,94 16:36

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

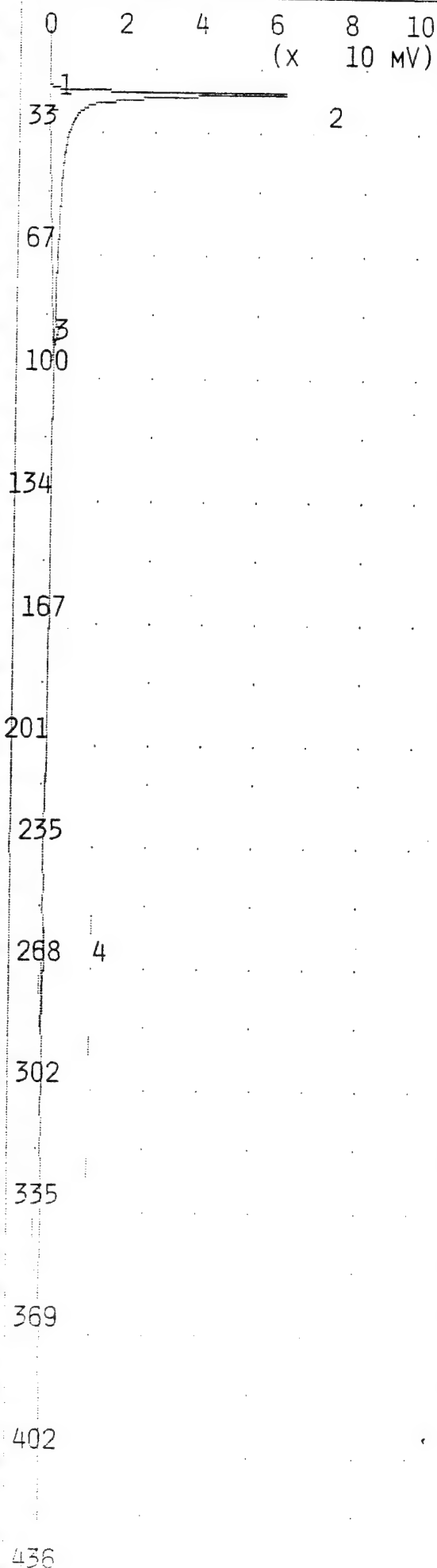
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.729 MVS | 20.8  |
| 2  | ETHYLBENZENE  | 2.934 PPB | 265.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
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ANALYSIS #38 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 16:56  
 SAMPLE TIME: NOV 9,94 16:48

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

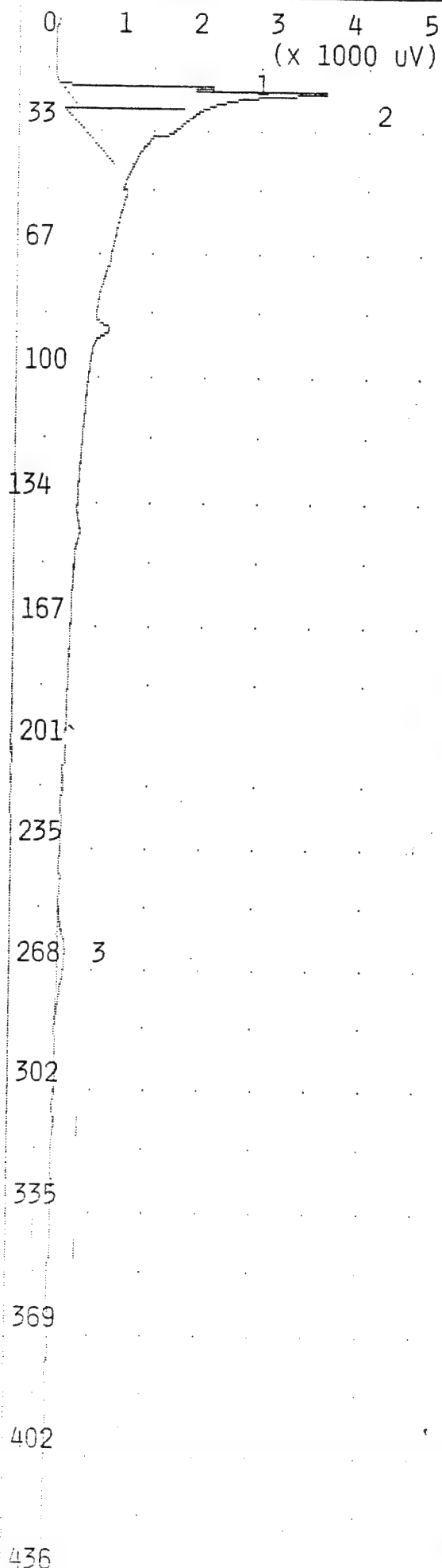
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.608 MVS | 18.8  |
| 2  | UNKNOWN       | 301.6 MVS | 20.4  |
| 3  | UNKNOWN       | 3.352 MVS | 85.8  |
| 4  | UNKNOWN       | 2.388 MVS | 260.5 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 NOV 1994  
 FTA-003BH 1.0- 2.5

ANALYSIS #39 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 17:07  
SAMPLE TIME: Nov 9,94 16:59

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

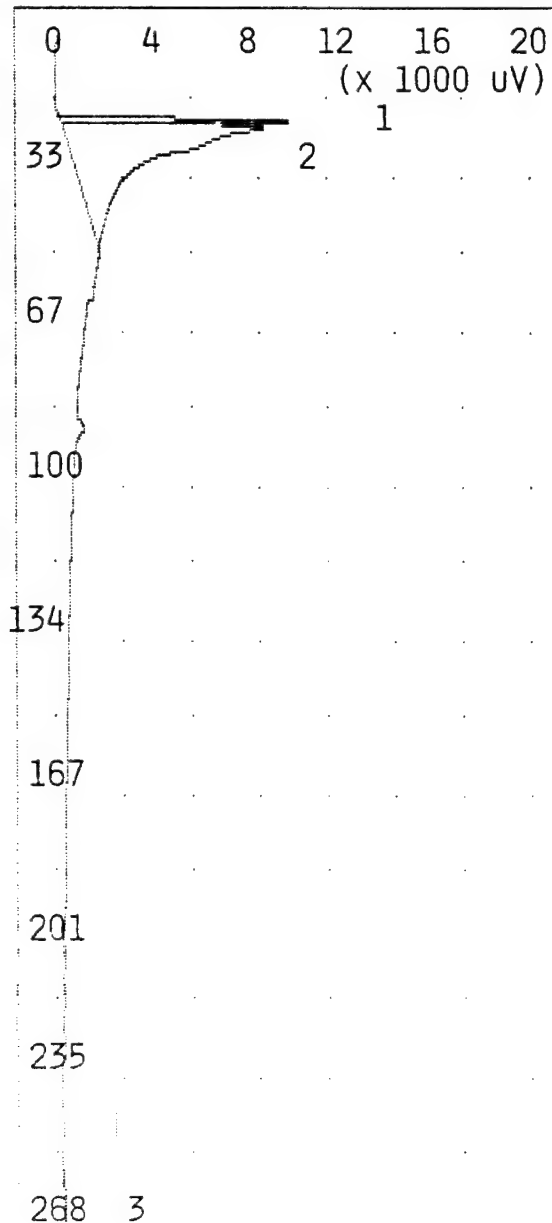
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.245 MVS | 19.0  |
| 2  | UNKNOWN       | 24.32 MVS | 20.5  |
| 3  | UNKNOWN       | 1.242 MVS | 260.8 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-003BH 4.5- 6.0

ANALYSIS #40 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 17:18  
 SAMPLE TIME: Nov 9,94 17:10

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 12.70 MVS | 18.7  |
| 2  | UNKNOWN       | 69.24 MVS | 20.6  |
| 3  | UNKNOWN       | 1.166 MVS | 260.2 |

302

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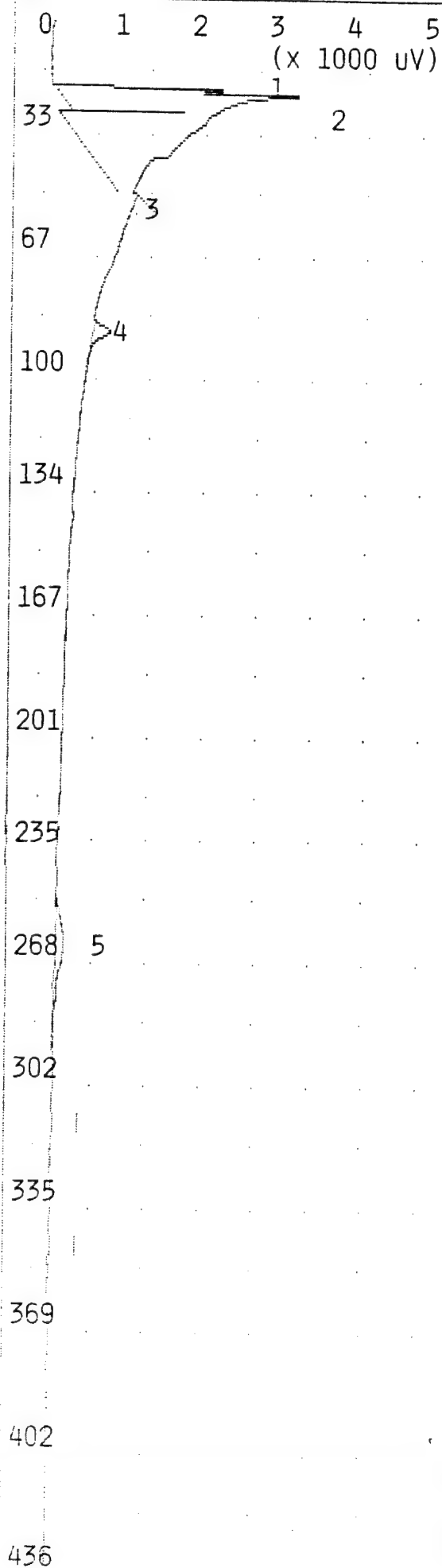
436

470

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-003BH 8.5- 9.5

ANALYSIS #41 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 17:29

SAMPLE TIME: Nov 9,94 17:21

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

PEAK REPORT

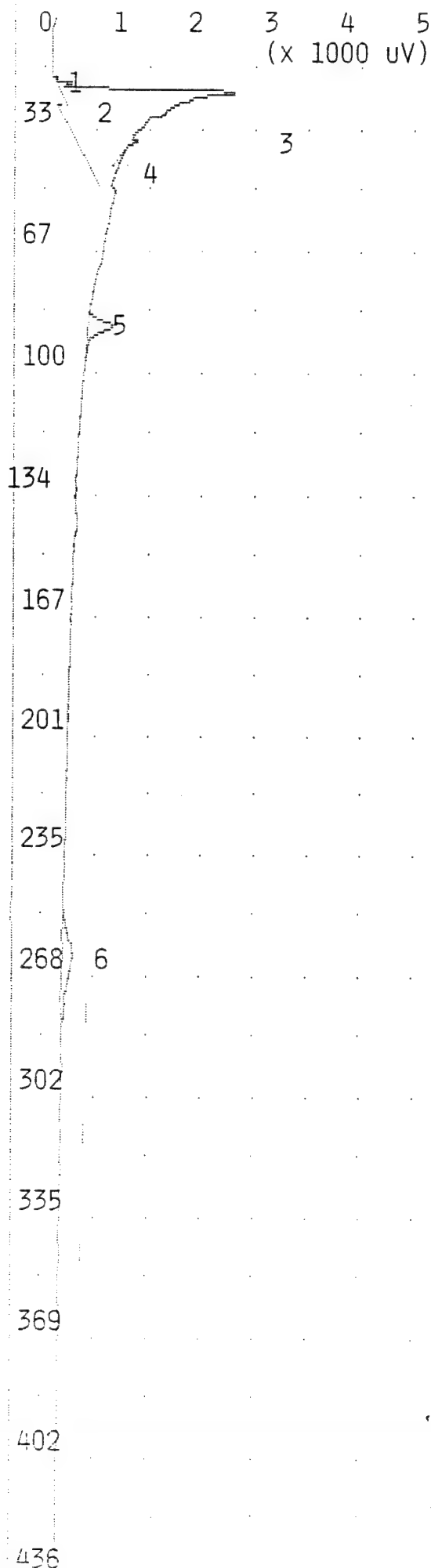
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.643 MVS | 18.7  |
| 2  | UNKNOWN       | 32.03 MVS | 20.4  |
| 3  | UNKNOWN       | 0.014 MVS | 47.8  |
| 4  | UNKNOWN       | 0.803 MVS | 85.3  |
| 5  | UNKNOWN       | 1.484 MVS | 260.8 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGS  
 9 Nov 1994  
 FTA-003BH 13.5-15.0



## ANALYSIS #42 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 17:40

SAMPLE TIME: Nov 9,94 17:32

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.059 MVS | 17.2  |
| 2  | UNKNOWN       | 0.204 MVS | 18.4  |
| 3  | UNKNOWN       | 21.85 MVS | 20.6  |
| 4  | UNKNOWN       | 0.101 MVS | 34.4  |
| 5  | UNKNOWN       | 1.243 MVS | 85.6  |
| 6  | UNKNOWN       | 1.889 MVS | 260.5 |

## NOTES

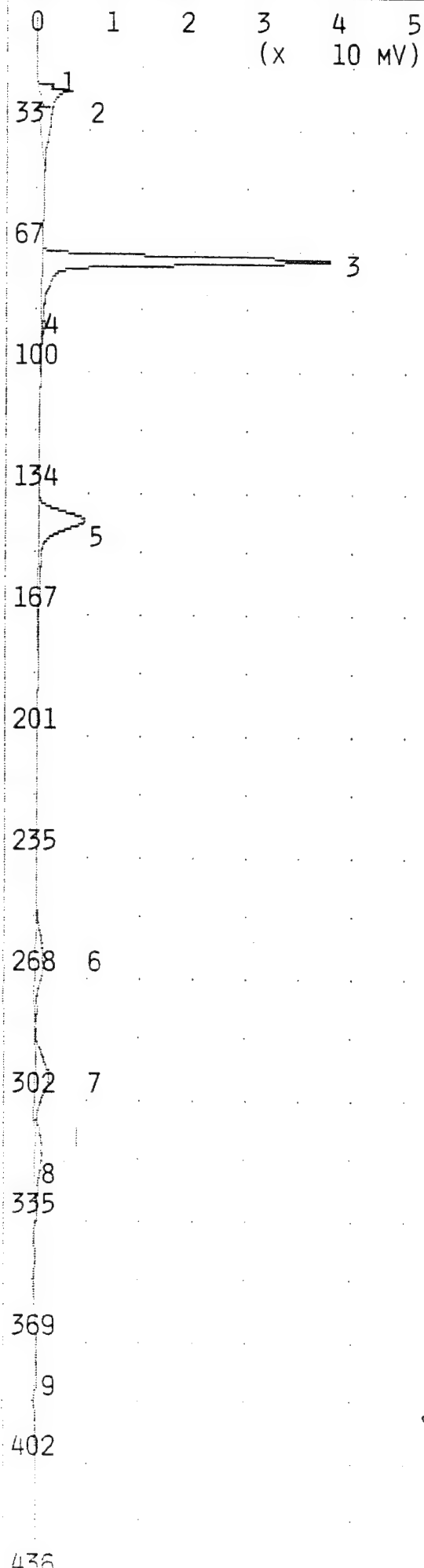
JOE BYRD, JR.

COOS BAY ANG5

9 Nov 1994

FTA-003BH 18.5-19.5

ANALYSIS #43 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 17:51  
 SAMPLE TIME: NOV 9,94 17:43

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

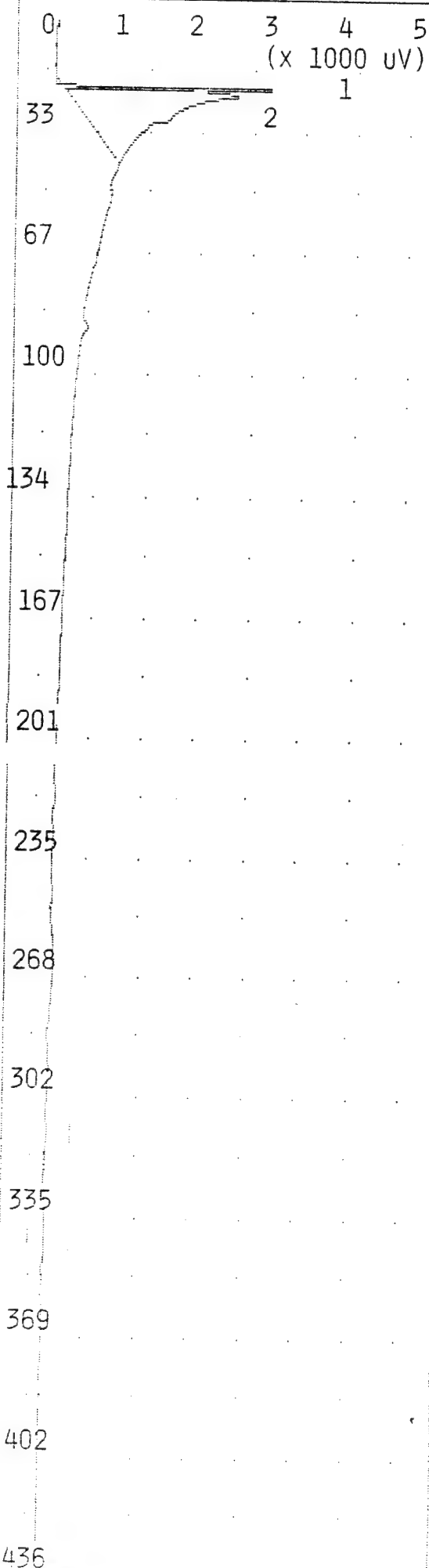
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.354 MVS | 18.9  |
| 2  | UNKNOWN       | 26.61 MVS | 20.6  |
| 3  | BENZENE       | 100.3 PPB | 67.4  |
| 4  | UNKNOWN       | 0.813 MVS | 85.7  |
| 5  | TOLUENE       | 81.35 PPB | 139.4 |
| 6  | UNKNOWN       | 16.02 MVS | 260.8 |
| 7  | ETHYLBENZENE  | 82.77 PPB | 292.8 |
| 8  | M,P-XYLENE    | 165.4 PPB | 316.2 |
| 9  | O-XYLENE      | 84.34 PPB | 373.0 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 NOV 1994  
 100 PB BTEX

ANALYSIS #44 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 18:02  
 SAMPLE TIME: Nov 9,94 17:54

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

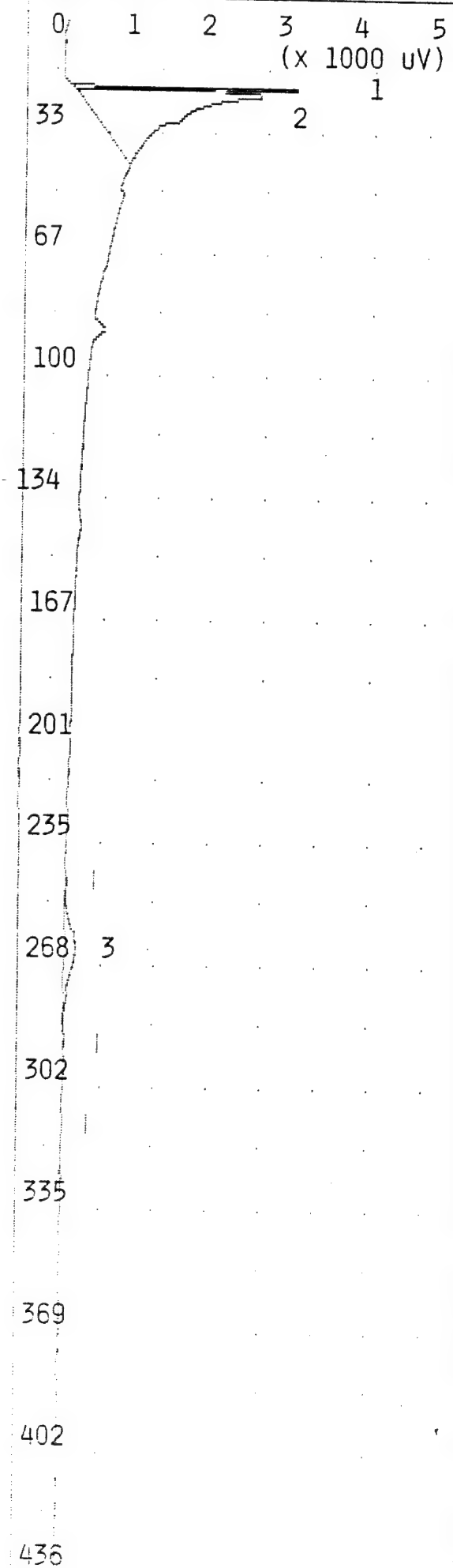
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.263 MVS | 18.8 |
| 2  | UNKNOWN       | 18.15 MVS | 20.7 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 AIR BLANK

ANALYSIS #45 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 18:13  
 SAMPLE TIME: Nov 9,94 18:05

METHOD

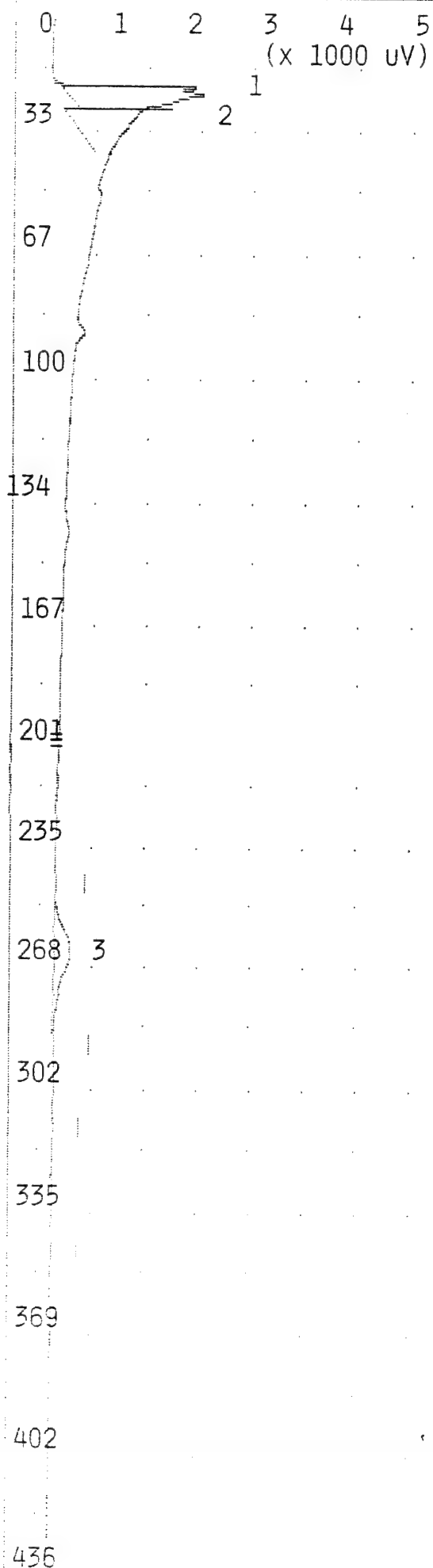
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 470.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.395 MVS | 18.9  |
| 2  | UNKNOWN       | 18.61 MVS | 20.6  |
| 3  | UNKNOWN       | 2.125 MVS | 261.0 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 9 Nov 1994  
 FTA-002BH 1.0- 2.5



TIME PRINTED: Nov 9,94 18:24

SAMPLE TIME: Nov 9,94 18:16

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.375 MVS | 19.0  |
| 2  | UNKNOWN       | 12.56 MVS | 20.8  |
| 3  | UNKNOWN       | 3.255 MVS | 260.8 |

## NOTES

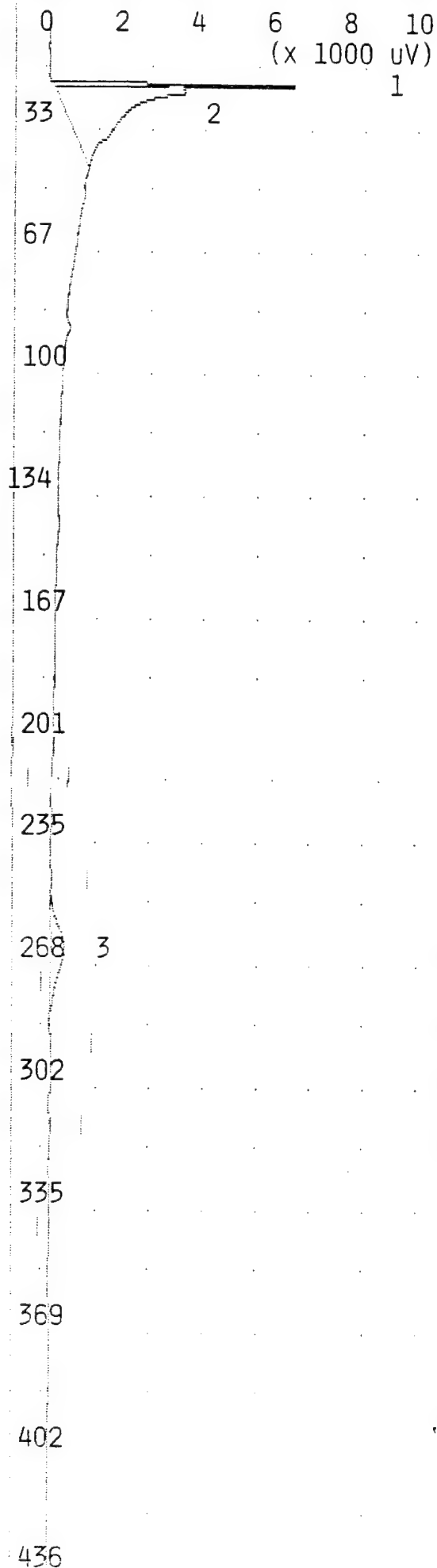
JOE BYRD, JR.

COOS BAY ANG

9 Nov 1994

FTA-002BH 4.5- 6.0

ANALYSIS #47 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 18:35  
SAMPLE TIME: Nov 9,94 18:27

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

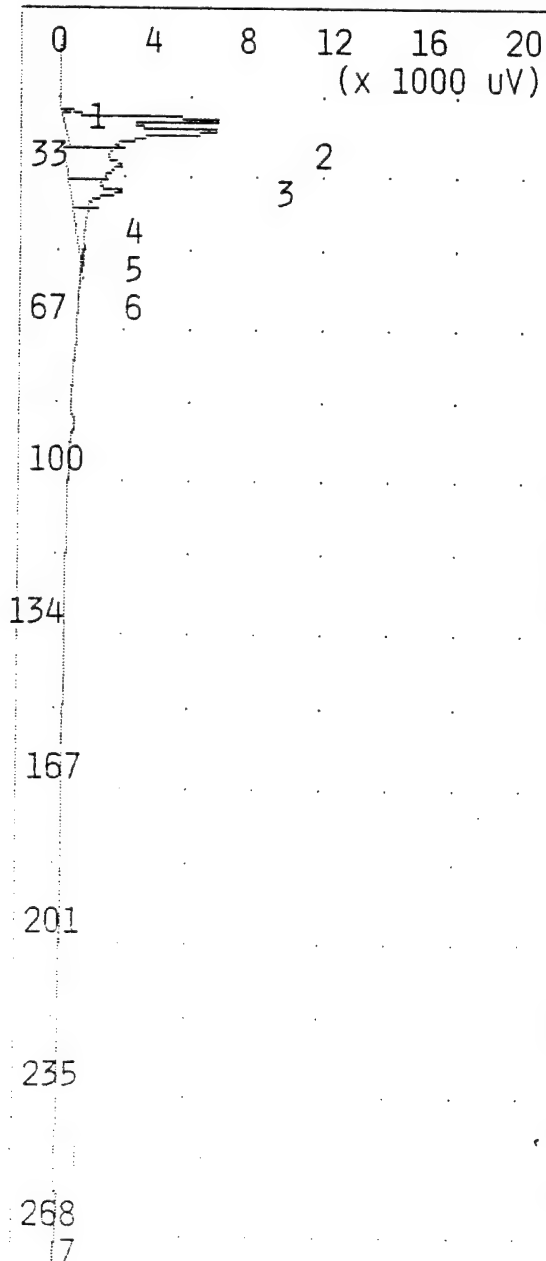
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.451 MVS | 18.8  |
| 2  | UNKNOWN       | 27.37 MVS | 20.7  |
| 3  | UNKNOWN       | 5.436 MVS | 261.0 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG.  
9 Nov 1994  
FTA-002BH 8.5-10.0

ANALYSIS #48 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 9,94 18:46  
SAMPLE TIME: NOV 9,94 18:38

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.784 MVS | 17.4  |
| 2  | UNKNOWN       | 10.31 MVS | 18.8  |
| 3  | UNKNOWN       | 22.16 MVS | 21.4  |
| 4  | UNKNOWN       | 11.31 MVS | 28.6  |
| 5  | UNKNOWN       | 8.388 MVS | 34.7  |
| 6  | UNKNOWN       | 0.116 MVS | 46.8  |
| 7  | UNKNOWN       | 0.924 MVS | 263.2 |

302

335

369

402

436

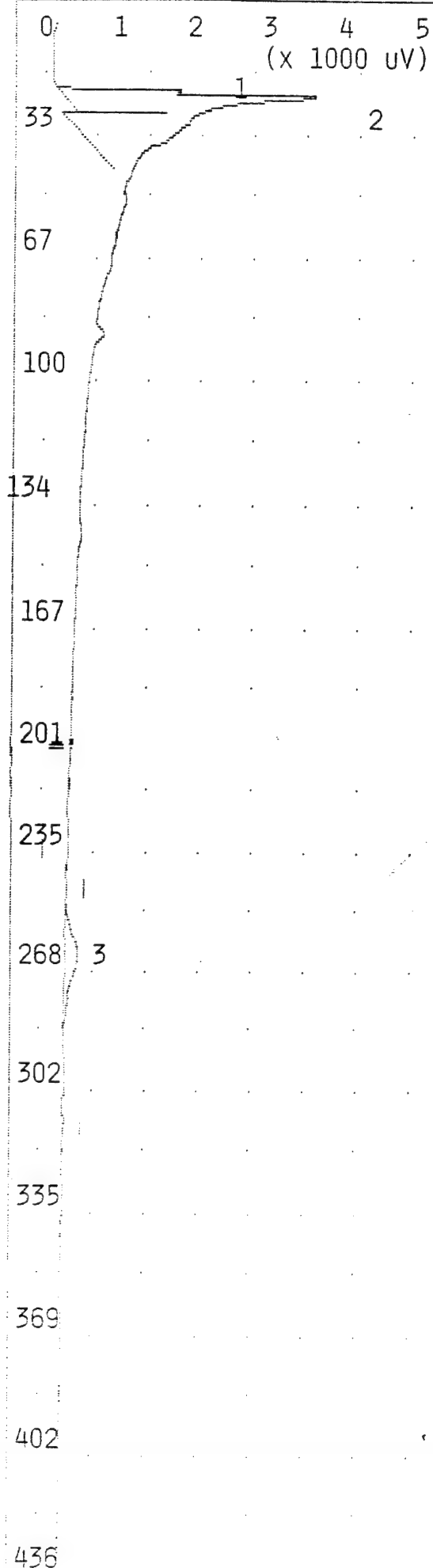
470

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-002BH 13.5-15.0



ANALYSIS #49 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 18:58

SAMPLE TIME: Nov 9,94 18:50

METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 470.0 SEC

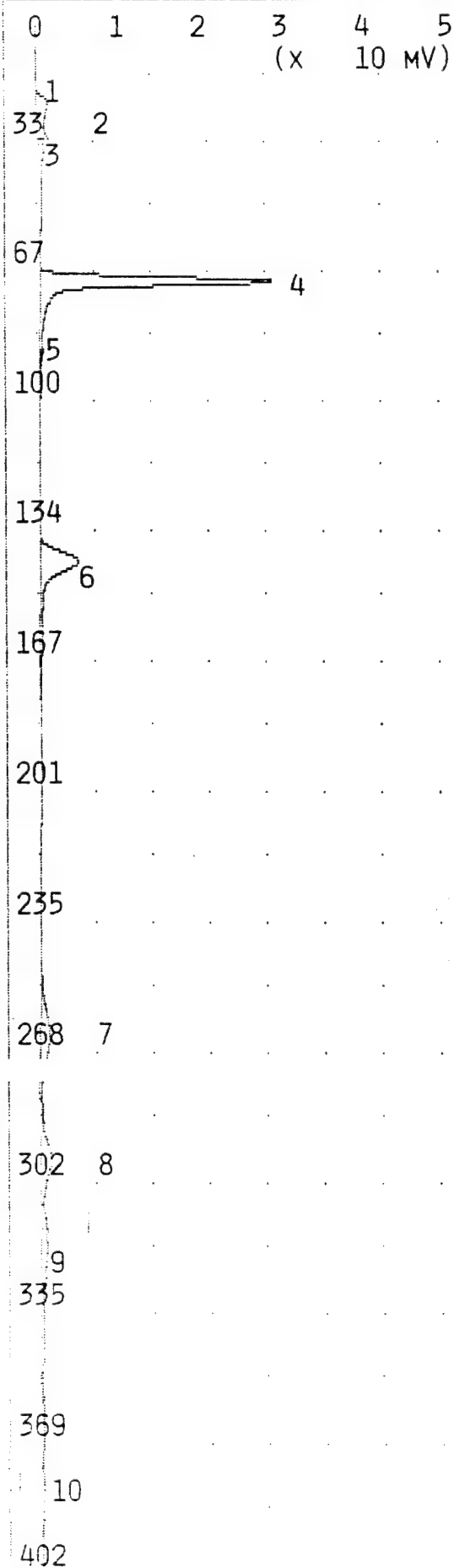
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.108 MVS | 19.0  |
| 2  | UNKNOWN       | 25.11 MVS | 20.5  |
| 3  | UNKNOWN       | 2.525 MVS | 262.4 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
FTA-002BH 18.5-20.0

ANALYSIS #50 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 9,94 19:09  
SAMPLE TIME: Nov 9,94 19:01

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 470.0 SEC

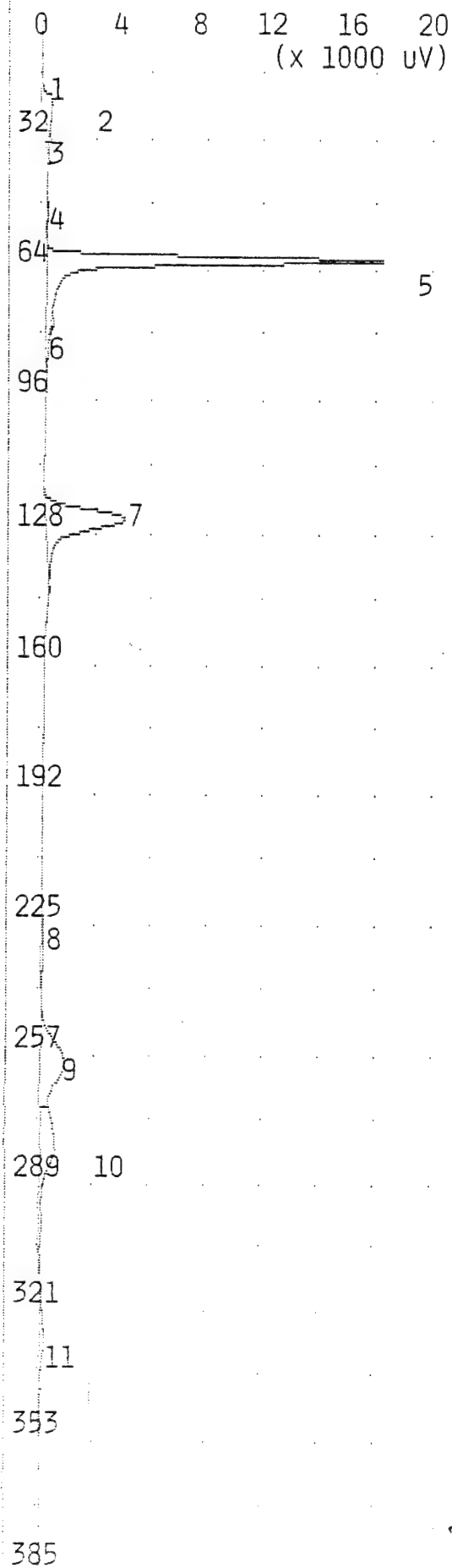
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.035 MVS | 18.6  |
| 2  | UNKNOWN       | 0.775 MVS | 19.4  |
| 3  | UNKNOWN       | 5.667 MVS | 20.8  |
| 4  | BENZENE       | 73.13 PPB | 67.6  |
| 5  | UNKNOWN       | 0.388 MVS | 85.4  |
| 6  | TOLUENE       | 66.85 PPB | 140.0 |
| 7  | UNKNOWN       | 15.06 MVS | 261.8 |
| 8  | ETHYLBENZENE  | 59.88 PPB | 293.8 |
| 9  | M,P-XYLENE    | 130.8 PPB | 316.2 |
| 10 | O-XYLENE      | 65.77 PPB | 374.3 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
9 Nov 1994  
100 PPB BTEX

ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 08:01

SAMPLE TIME: Nov 10,94 07:53

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 125 ML/MIN  
B/F FLOW 125 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.035 MVS | 16.8  |
| 2  | UNKNOWN       | 0.792 MVS | 19.4  |
| 3  | UNKNOWN       | 0.904 MVS | 21.0  |
| 4  | UNKNOWN       | 0.483 MVS | 46.4  |
| 5  | UNKNOWN       | 48.69 MVS | 59.7  |
| 6  | UNKNOWN       | 0.341 MVS | 75.4  |
| 7  | UNKNOWN       | 24.99 MVS | 122.9 |
| 8  | UNKNOWN       | 0.945 MVS | 227.6 |
| 9  | UNKNOWN       | 15.34 MVS | 256.8 |
| 10 | UNKNOWN       | 11.72 MVS | 276.5 |
| 11 | UNKNOWN       | 3.347 MVS | 326.9 |

*Clogged Syringe*  
NOTES

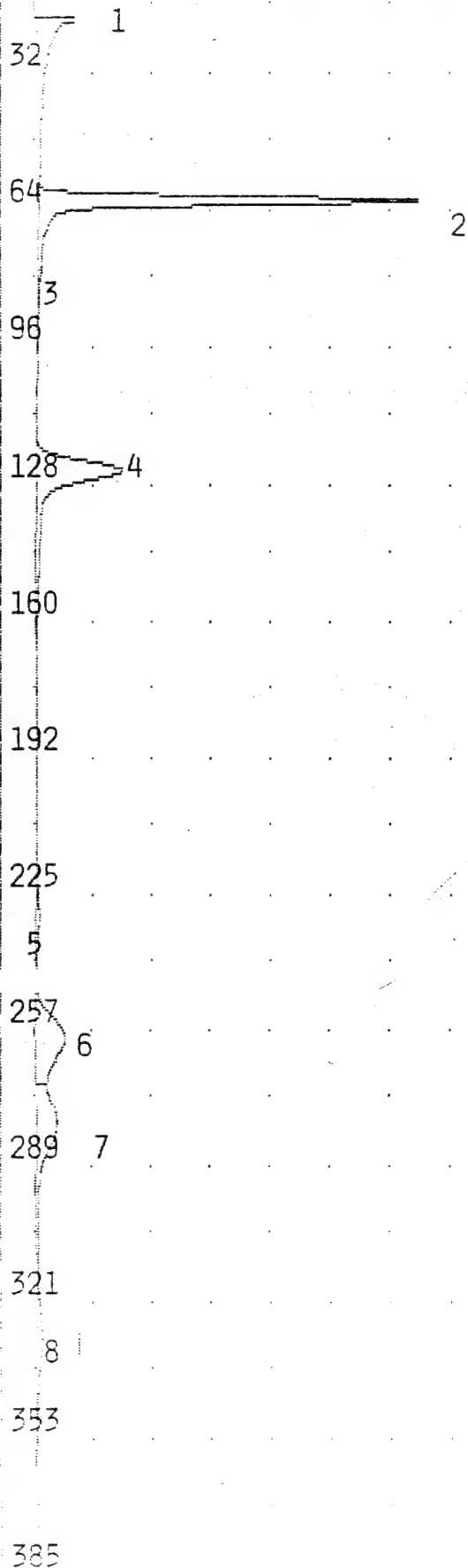
JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
100 PPB BTEX

\*\*\*\*\*

\*\*\* THE AIR FLOW NOTATIONS

\*\*\* SHOULD READ 12.5 ML PER MIN

0 1 2 3 4 5  
(x 10 MV)



TIME PRINTED: Nov 10,94 08:13

SAMPLE TIME: Nov 10,94 08:05

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 125 ML/MIN  
B/F FLOW 125 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 29.57 MVS | 17.1  |
| 2  | UNKNOWN       | 122.3 MVS | 59.9  |
| 3  | UNKNOWN       | 0.359 MVS | 75.6  |
| 4  | UNKNOWN       | 67.87 MVS | 122.9 |
| 5  | UNKNOWN       | 4.370 MVS | 229.0 |
| 6  | UNKNOWN       | 47.40 MVS | 256.8 |
| 7  | UNKNOWN       | 39.57 MVS | 276.2 |
| 8  | UNKNOWN       | 11.43 MVS | 327.4 |

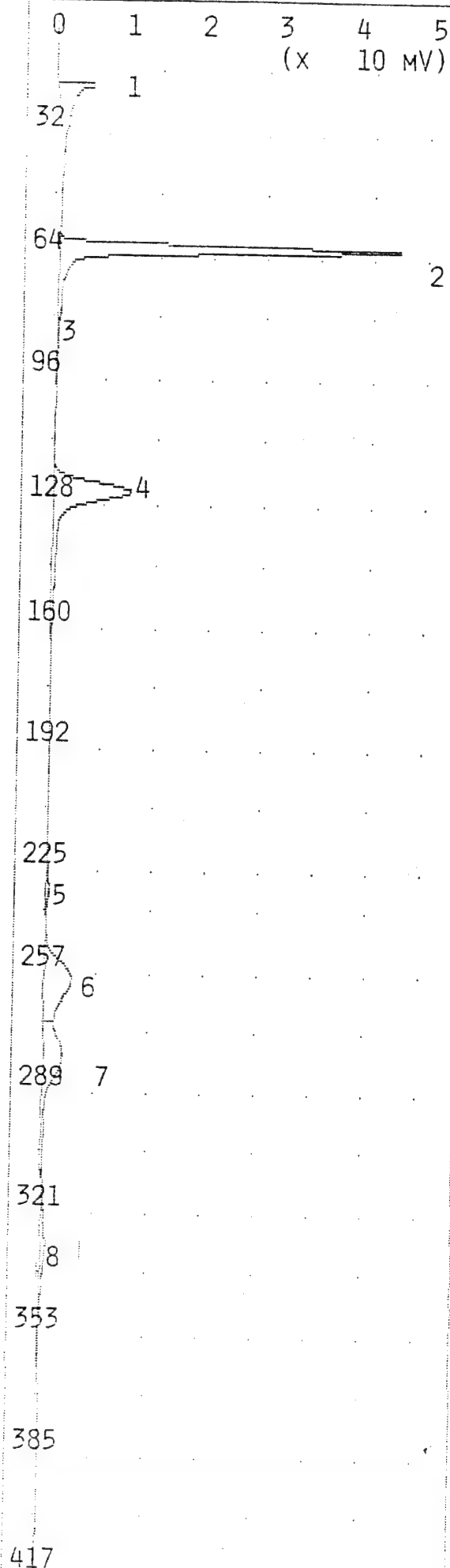
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
100 PPB BTEX

\*\*\*\*\*

\*\*\* THE AIR FLOW NOTATIONS

\*\*\* SHOULD READ 12 ML PER MIN.



TIME PRINTED: Nov 10, 94 08:21

SAMPLE TIME: Nov 10, 94 08:05

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 125 ML/MIN  
 B/F FLOW 125 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 26 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 29.57 MVS | 17.1  |
| 2  | BENZENE       | 100.0 PPB | 59.9  |
| 3  | UNKNOWN       | 0.359 MVS | 75.6  |
| 4  | TOLUENE       | 100.0 PPB | 122.9 |
| 5  | UNKNOWN       | 4.370 MVS | 229.0 |
| 6  | ETHYLBENZENE  | 100.0 PPB | 256.8 |
| 7  | MP-XYLENE     | 200.0 PPB | 276.2 |
| 8  | O-XYLENE      | 100.0 PPB | 327.4 |

## NOTES

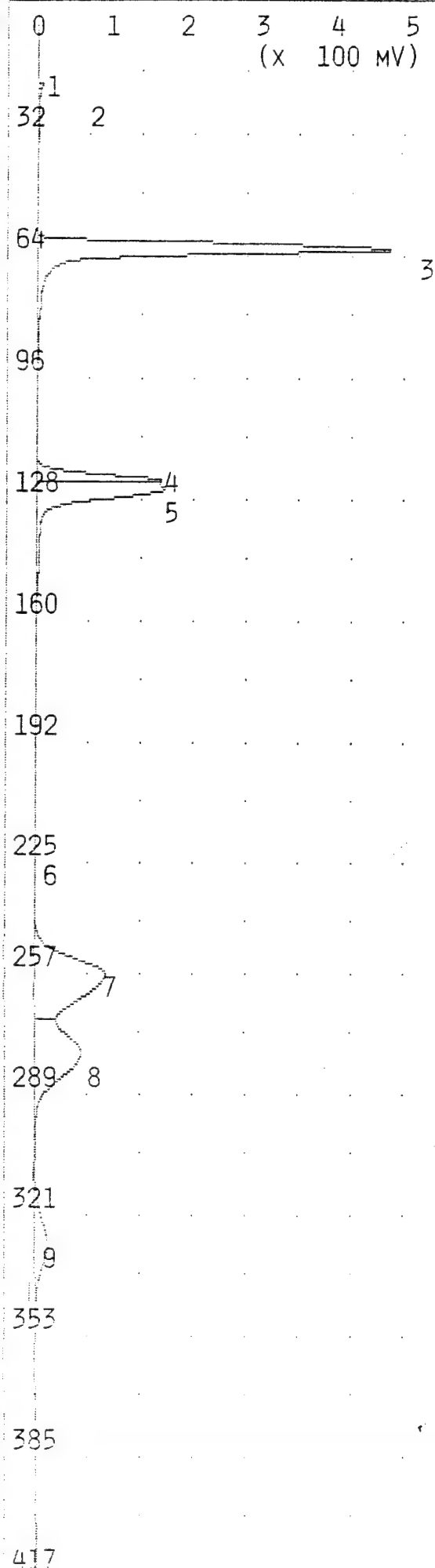
JOE BYRD, JR.  
 COOS BAY ANGCS  
 10 Nov 1994  
 100 PPB BTEX

\*\*\*\*\*

\*\*\* THE AIR FLOW NOTATIONS

\*\*\* SHOULD READ 12 ML PER MIN.

\*\*\*\*\*



TIME PRINTED: Nov 10,94 08:38

SAMPLE TIME: Nov 10,94 08:30

## METHOD

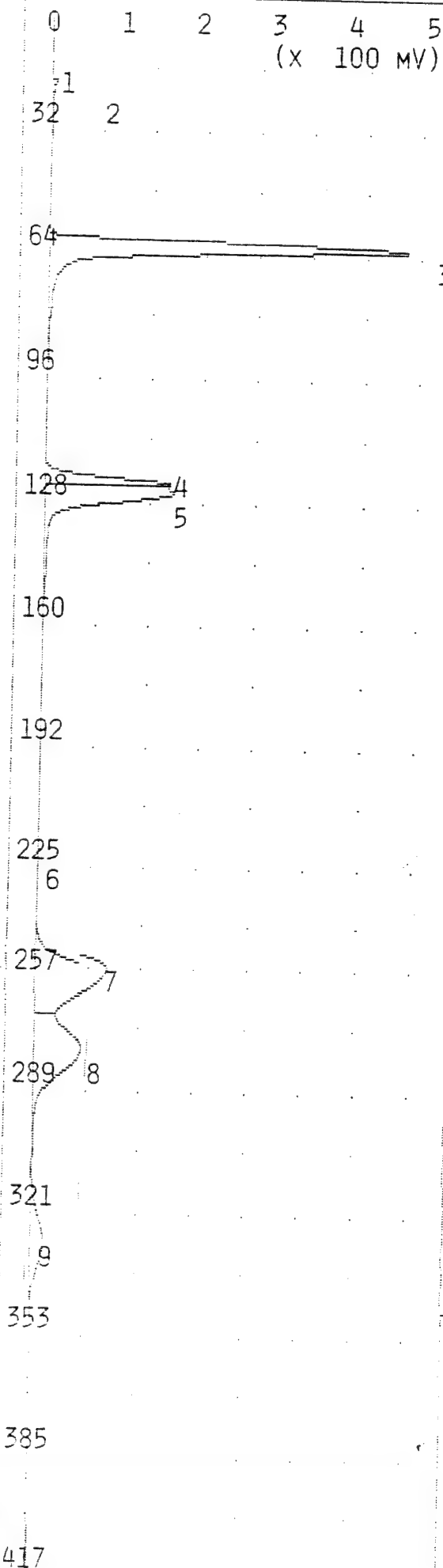
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 125 ML/MIN  
B/F FLOW 125 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.702 MVS | 17.0  |
| 2  | UNKNOWN       | 31.99 MVS | 18.8  |
| 3  | BENZENE       | 1.438 PPM | 60.2  |
| 4  | UNKNOWN       | 471.2 MVS | 121.4 |
| 5  | TOLUENE       | 1.231 PPM | 123.6 |
| 6  | UNKNOWN       | 2.054 MVS | 226.4 |
| 7  | ETHYLBENZENE  | 2.661 PPM | 255.4 |
| 8  | MP-XYLENE     | 4.622 PPM | 276.2 |
| 9  | O-XYLENE      | 2.892 PPM | 326.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
1 PPM BTEX



TIME PRINTED: NOV 10,94 08:43

SAMPLE TIME: NOV 10,94 08:30

## METHOD

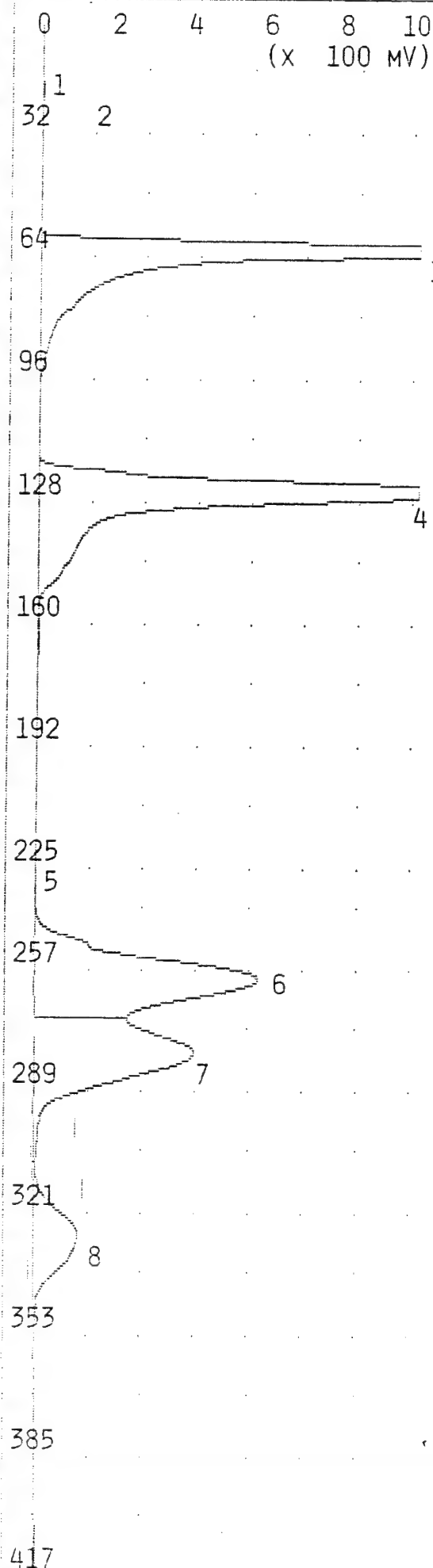
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 125 ML/MIN  
B/F FLOW 125 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.702 MVS | 17.0  |
| 2  | UNKNOWN       | 31.99 MVS | 18.8  |
| 3  | BENZENE       | 1.000 PPM | 60.2  |
| 4  | UNKNOWN       | 471.2 MVS | 121.4 |
| 5  | TOLUENE       | 1.000 PPM | 123.6 |
| 6  | UNKNOWN       | 2.054 MVS | 226.4 |
| 7  | ETHYLBENZENE  | 1.000 PPM | 255.4 |
| 8  | MP-XYLENE     | 2.000 PPM | 276.2 |
| 9  | O-XYLENE      | 1.003 PPM | 326.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
1 PPM BTEX



TIME PRINTED: NOV 10,94 08:56

SAMPLE TIME: NOV 10,94 08:48

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

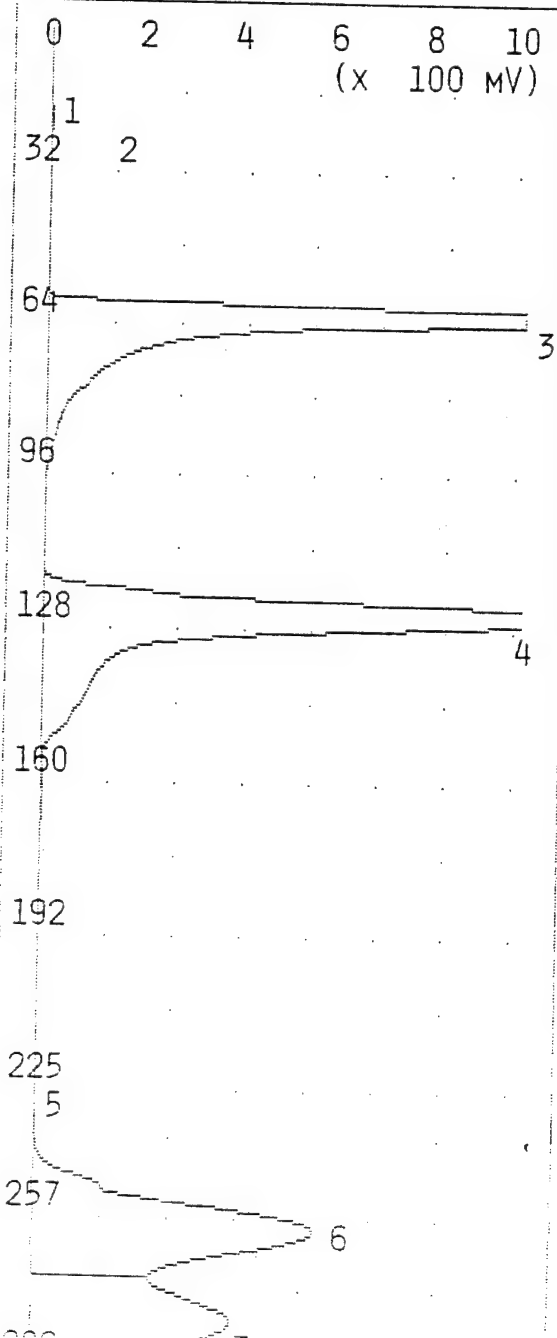
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.282 MVS | 17.0  |
| 2  | UNKNOWN       | 41.97 MVS | 18.6  |
| 3  | BENZENE       | 6.018 PPM | 60.5  |
| 4  | TOLUENE       | 13.01 PPM | 123.6 |
| 5  | UNKNOWN       | 4.275 MVS | 223.0 |
| 6  | ETHYLBENZENE  | 6.226 PPM | 257.3 |
| 7  | MP-XYLENE     | 13.62 PPM | 276.8 |
| 8  | O-XYLENE      | 6.154 PPM | 325.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
10 PPM BTEX



ANALYSIS #4 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 09:01  
SAMPLE TIME: Nov 10,94 08:48

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.282 MVS | 17.0  |
| 2  | UNKNOWN       | 41.97 MVS | 18.6  |
| 3  | BENZENE       | 10.00 PPM | 60.5  |
| 4  | TOLUENE       | 10.00 PPM | 123.6 |
| 5  | UNKNOWN       | 4.275 MVS | 223.0 |
| 6  | ETHYLBENZENE  | 10.00 PPM | 257.3 |
| 7  | MP-XYLENE     | 20.00 PPM | 276.8 |
| 8  | O-XYLENE      | 10.01 PPM | 325.3 |

321

8

353

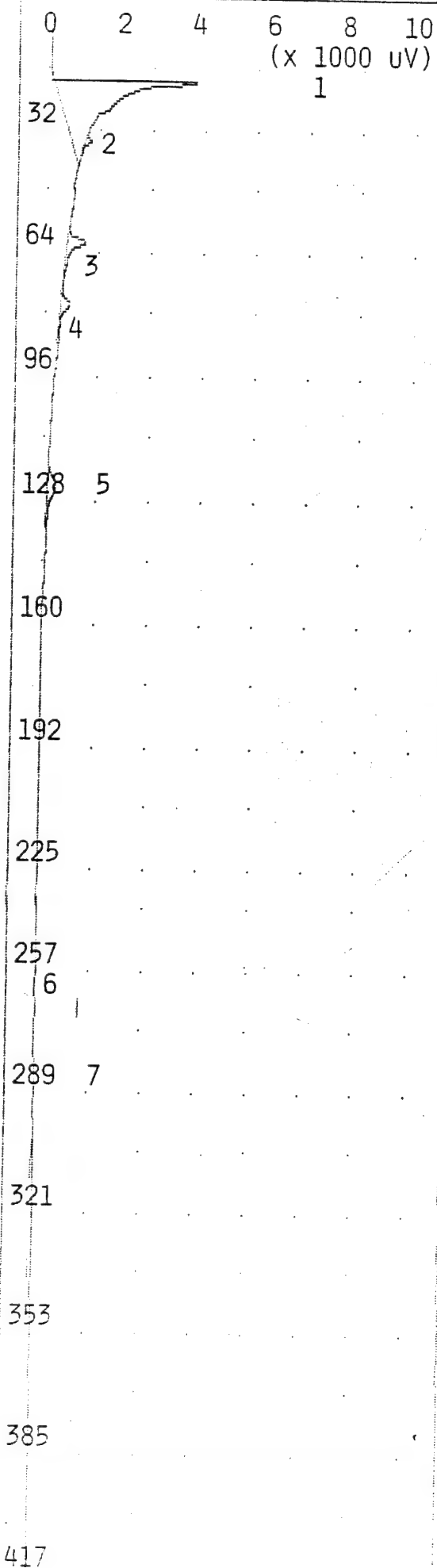
385

417

450

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
10 PPM BTEX



TIME PRINTED: Nov 10,94 09:12

SAMPLE TIME: Nov 10,94 09:04

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 24.54 MVS | 17.0  |
| 2  | UNKNOWN       | 0.234 MVS | 33.0  |
| 3  | BENZENE       | 1.274 PPB | 59.6  |
| 4  | UNKNOWN       | 0.785 MVS | 75.6  |
| 5  | TOLUENE       | 1.820 PPB | 122.4 |
| 6  | ETHYLBENZENE  | 4.445 PPB | 256.5 |
| 7  | MP-XYLENE     | 4.588 PPB | 276.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
AIR BLANK

0 2 4 6 8 10  
(x 100 uV)

32 1

64 2

96

128

160

192<sup>L</sup>

225

257

289

321

353

385

417

TIME PRINTED: Nov 10,94 09:39

SAMPLE TIME: Nov 10,94 09:31

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

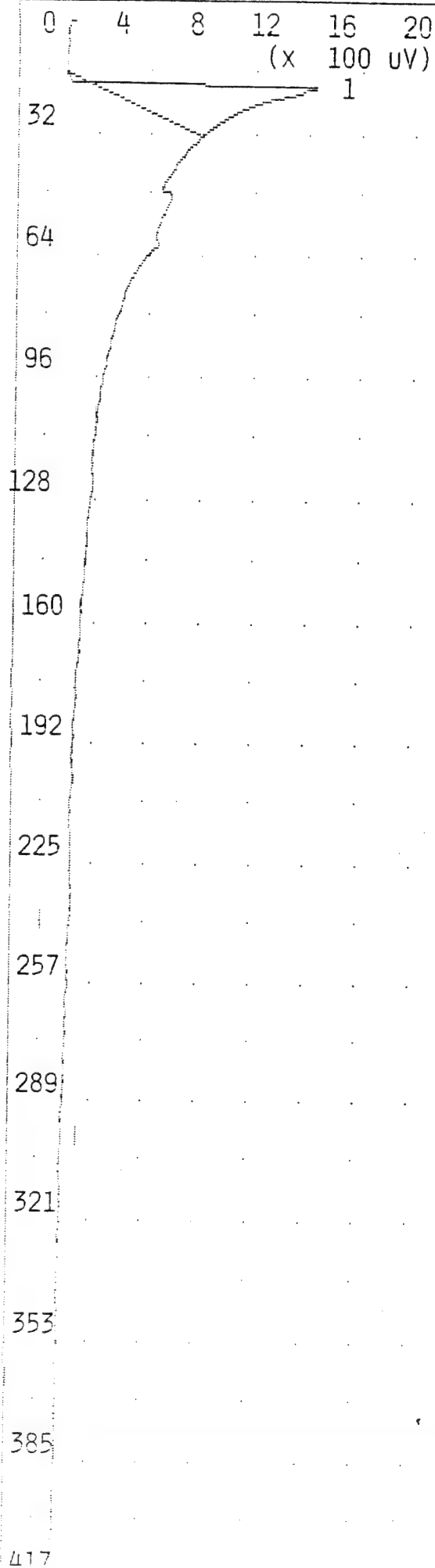
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.677 MVS | 19.3 |
| 2  | UNKNOWN       | 0.230 MVS | 46.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
OWD-001H 1.0- 2.5

# ANALYSIS #7 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 09:50

SAMPLE TIME: NOV 10,94 09:43

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 7.651 MVS | 17.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-001H 1.0- 2.5

0 1 2 3 4 5  
(x 1000 uV)

32 1

64 2

96

128

160

192

225

257

289

321

353

385

417

TIME PRINTED: Nov 10,94 10:01

SAMPLE TIME: Nov 10,94 09:54

## METHOD

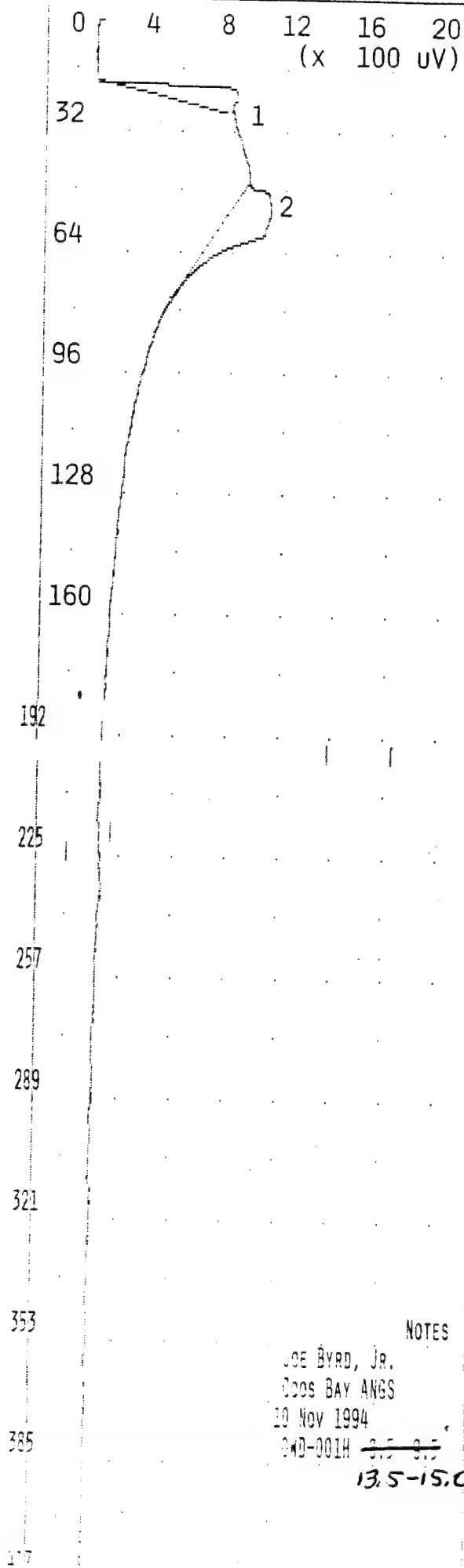
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 28    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 49.31 MVS | 25.2 |
| 2  | UNKNOWN       | 0.059 MVS | 45.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-001H 8.5- 9.5



TIME PRINTED: Nov 10,94 10:14

SAMPLE TIME: Nov 10,94 10:07

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 28    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

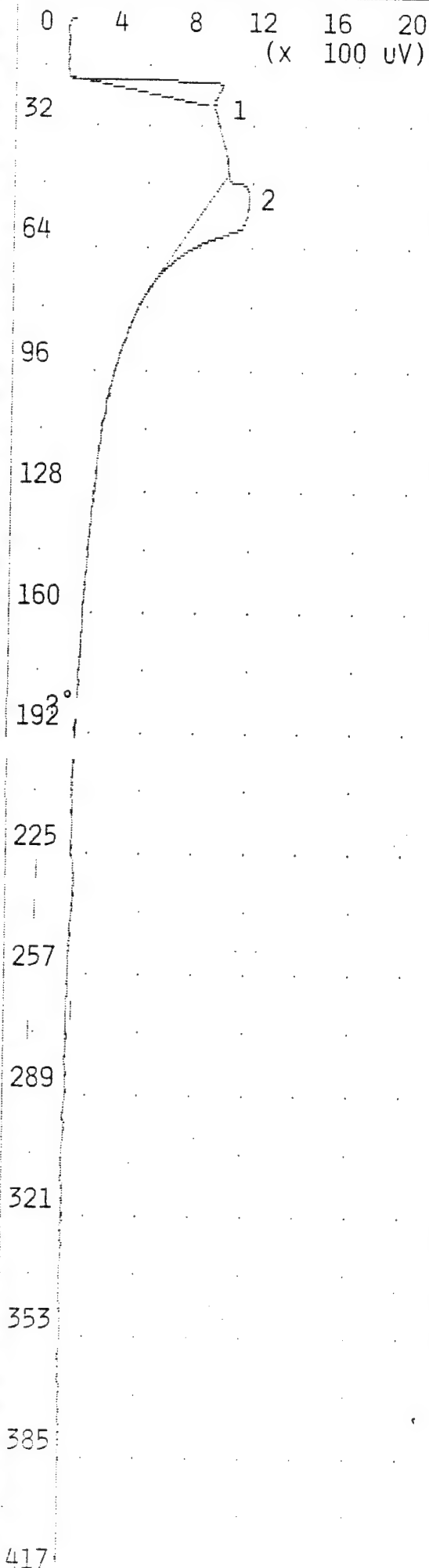
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 2.600 MVS | 21.7 |
| 2  | UNKNOWN       | 3.700 MVS | 49.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
2ND-001H 3.5-9.5

13.5-15.0 33

# ANALYSIS #10 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 10:26  
 SAMPLE TIME: NOV 10,94 10:18  
 METHOD  
 SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

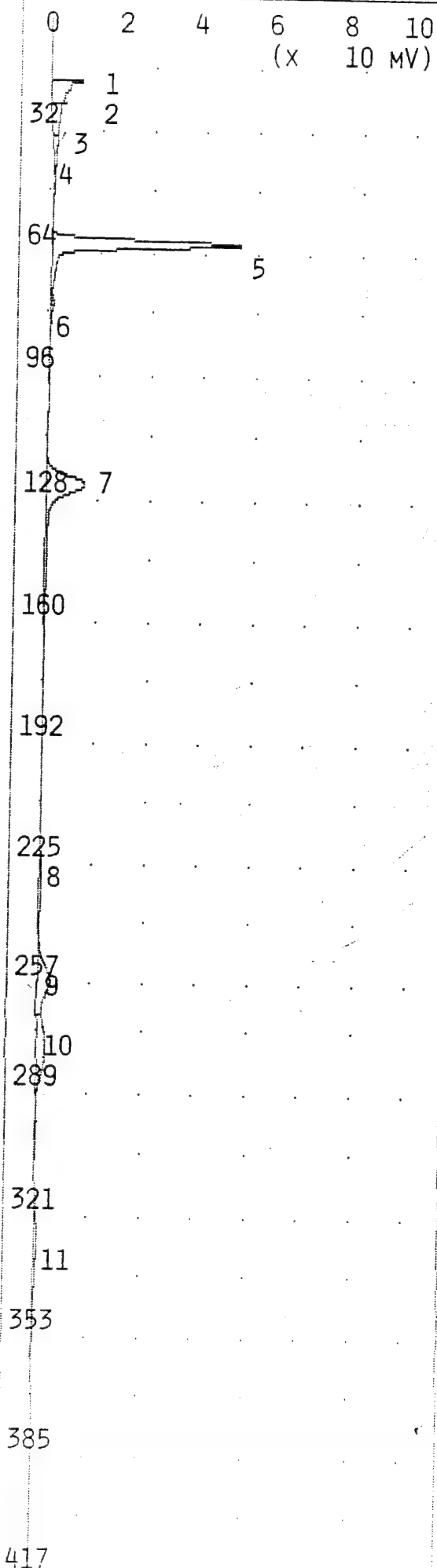
PEAK REPORT  
 PK COMPOUND NAME AREA/CONC R.T.  
 1 UNKNOWN 2.744 MVS 19.3  
 2 UNKNOWN 3.736 MVS 49.4

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 Nov 1994  
 OWD-001H 18.5-20.0  
 MISSED SHOT



ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 10:36  
SAMPLE TIME: Nov 10,94 10:29

METHOD

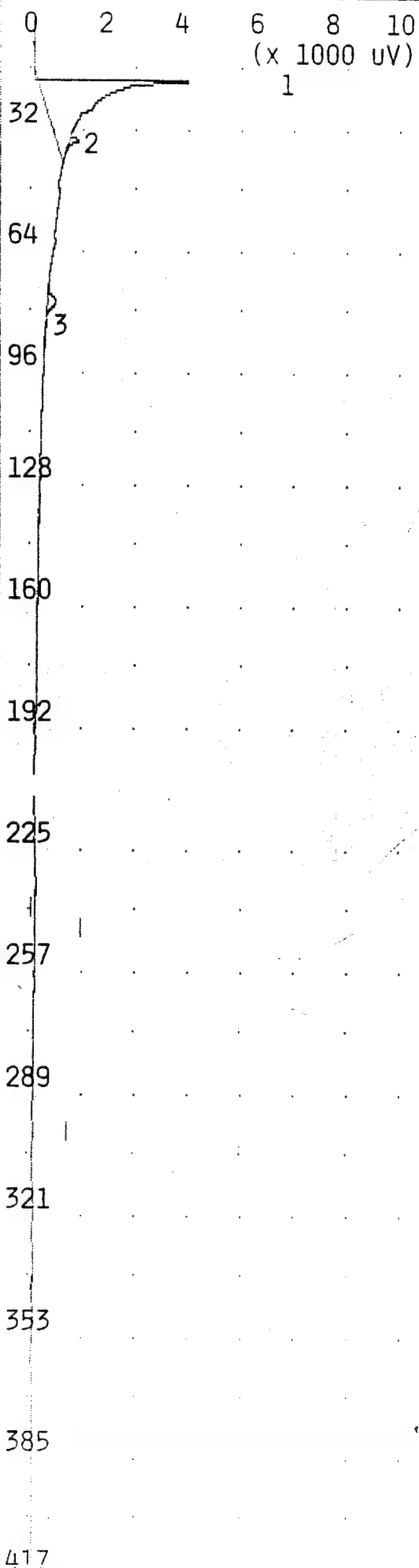
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.758 MVS | 17.0  |
| 2  | UNKNOWN       | 35.31 MVS | 18.6  |
| 3  | UNKNOWN       | 0.230 MVS | 20.9  |
| 4  | UNKNOWN       | 8.416 MVS | 32.9  |
| 5  | BENZENE       | 108.3 PPB | 59.7  |
| 6  | UNKNOWN       | 1.736 MVS | 75.4  |
| 7  | TOLUENE       | 94.75 PPB | 122.5 |
| 8  | UNKNOWN       | 7.018 MVS | 227.0 |
| 9  | ETHYLBENZENE  | 91.88 PPB | 255.4 |
| 10 | MP-XYLENE     | 183.4 PPB | 275.2 |
| 11 | O-XYLENE      | 97.07 PPB | 325.3 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
100 PPB BTEX



TIME PRINTED: Nov 10,94 10:47

SAMPLE TIME: Nov 10,94 10:40

## METHOD

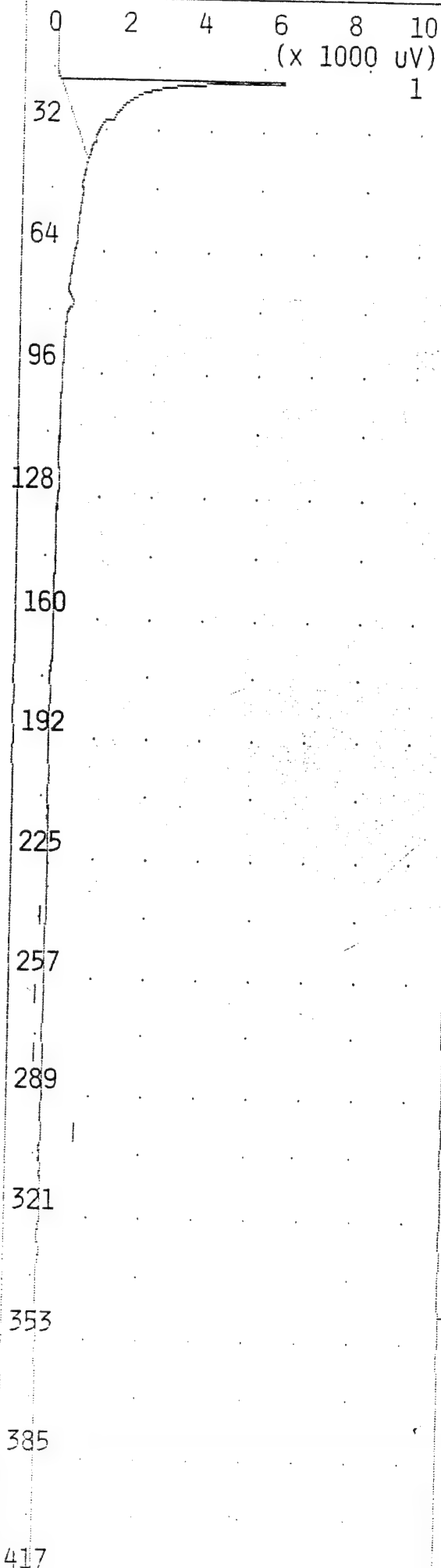
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 23.62 MVS | 16.9 |
| 2  | UNKNOWN       | 0.380 MVS | 32.9 |
| 3  | UNKNOWN       | 0.869 MVS | 75.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
AIR BLANK



TIME PRINTED: NOV 10,94 10:59

SAMPLE TIME: NOV 10,94 10:51

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 28.15 MVS | 16.9 |

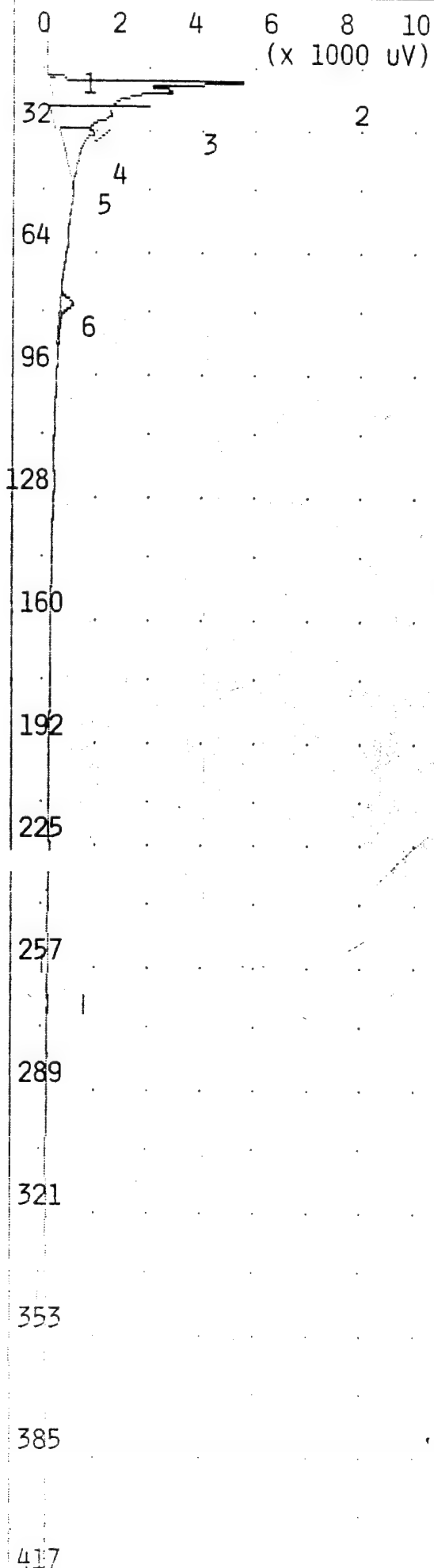
## NOTES

JOE BYRD, JR.

COOS BAY ANGUS

10 Nov 1994

OWD-001BH RESHOT 8.5 - 9.5



TIME PRINTED: Nov 10,94 11:09

SAMPLE TIME: Nov 10,94 11:02

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

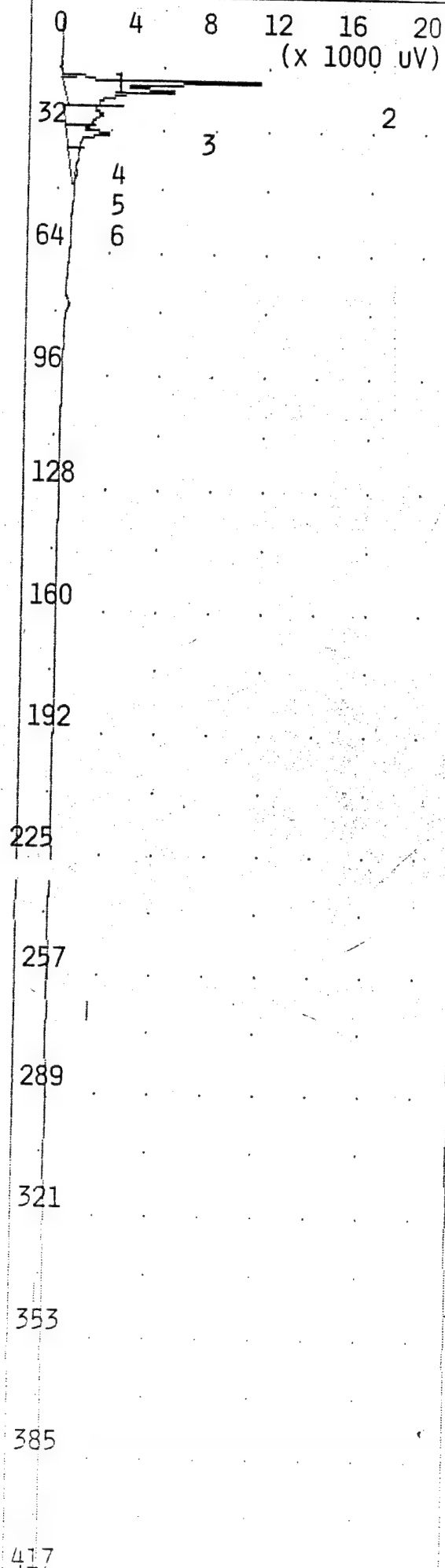
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 0.378 MVS | 15.9 |
| 2  | UNKNOWN       | 8.026 MVS | 17.0 |
| 3  | UNKNOWN       | 18.78 MVS | 19.4 |
| 4  | UNKNOWN       | 0.435 MVS | 25.6 |
| 5  | UNKNOWN       | 5.398 MVS | 30.8 |
| 6  | UNKNOWN       | 1.066 MVS | 75.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-001BH RESHOT 13.5 -15.0

ANALYSIS #15 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 11:20

SAMPLE TIME: NOV 10,94 11:12

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

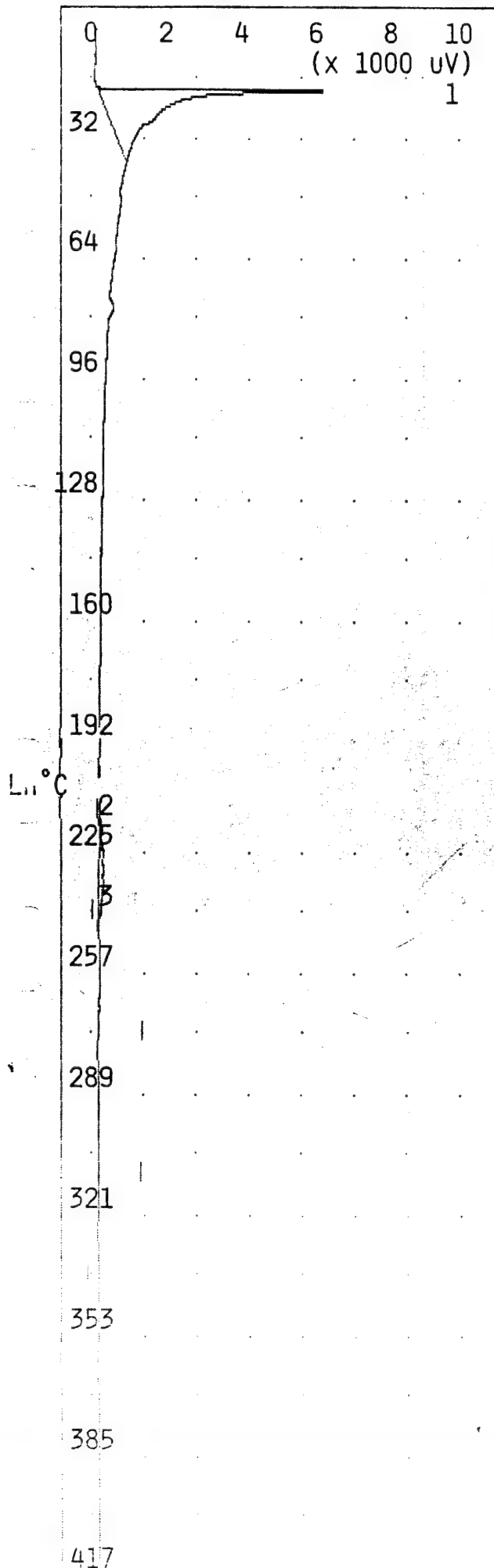
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.364 MVS | 16.0 |
| 2  | UNKNOWN       | 15.12 MVS | 17.0 |
| 3  | UNKNOWN       | 16.27 MVS | 19.4 |
| 4  | UNKNOWN       | 8.652 MVS | 25.6 |
| 5  | UNKNOWN       | 7.810 MVS | 30.9 |
| 6  | UNKNOWN       | 0.006 MVS | 41.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 NOV 1994  
 OWD-001BH RESHOT 18.5 -20.0

ANALYSIS #16 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 12:00

SAMPLE TIME: Nov 10,94 11:52

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

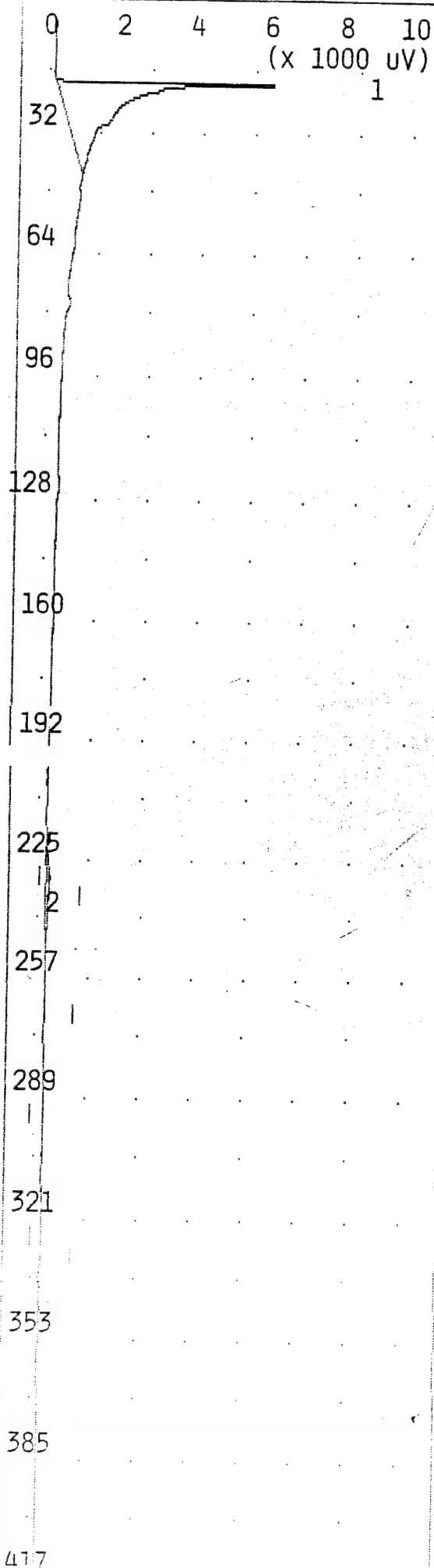
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 25.32 MVS | 16.9  |
| 2  | UNKNOWN       | 0.676 MVS | 207.0 |
| 3  | UNKNOWN       | 1.808 MVS | 228.2 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 Nov 1994  
 OWD-002BH 1.0 - 2.5

ANALYSIS #17 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 12:11  
SAMPLE TIME: Nov 10,94 12:03

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

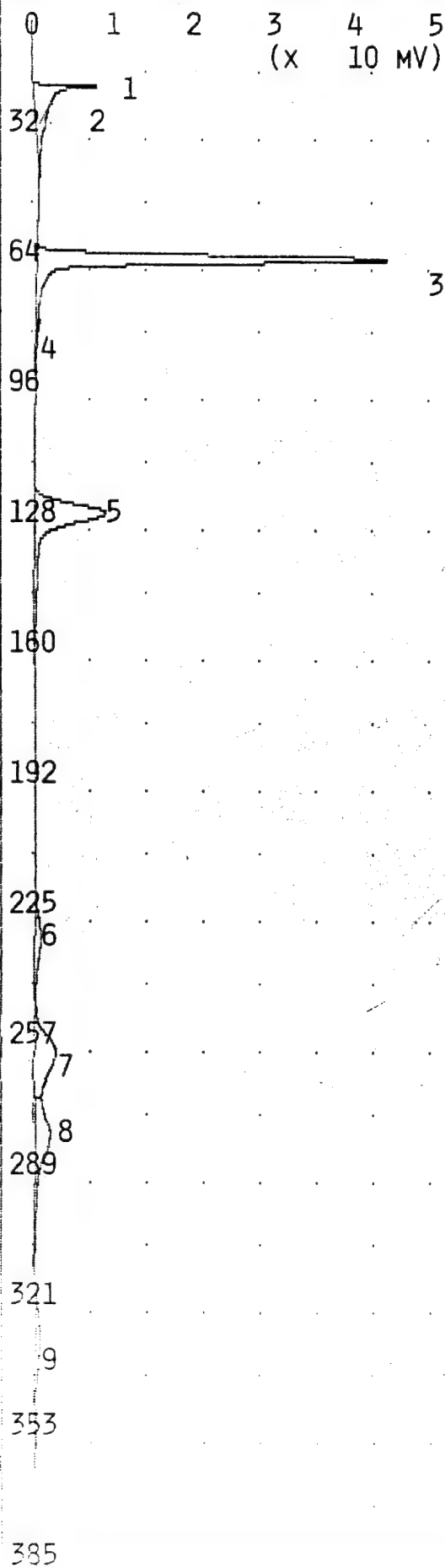
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 30.15 MVS | 16.8  |
| 2  | UNKNOWN       | 0.949 MVS | 228.4 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG5  
10 Nov 1994  
OWD-002BH 4.5 - 6.0

ANALYSIS #18 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 12:24

SAMPLE TIME: Nov 10,94 12:16

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 31.63 MVS | 16.8  |
| 2  | UNKNOWN       | 0.111 MVS | 20.7  |
| 3  | BENZENE       | 94.92 PPB | 59.6  |
| 4  | UNKNOWN       | 0.340 MVS | 75.0  |
| 5  | TOLUENE       | 83.31 PPB | 122.4 |
| 6  | UNKNOWN       | 10.42 MVS | 227.6 |
| 7  | ETHYLBENZENE  | 70.75 PPB | 255.4 |
| 8  | MP-XYLENE     | 138.7 PPB | 275.2 |
| 9  | O-XYLENE      | 80.84 PPB | 325.8 |

NOTES

JOE BYRD, JR.

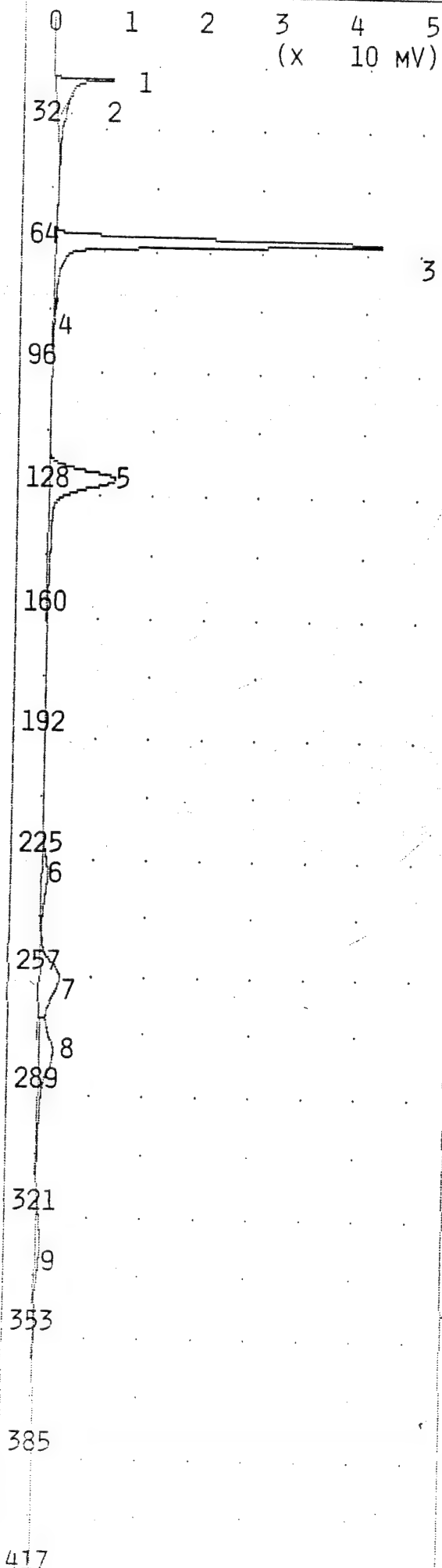
COOS BAY ANGCS

10 Nov 1994

~~QWD-002BH 4.5 6.0~~

100 PPB BTEX J3





TIME PRINTED: NOV 10,94 12:29

SAMPLE TIME: NOV 10,94 12:16

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 31.63 MVS | 16.8  |
| 2  | UNKNOWN       | 0.111 MVS | 20.7  |
| 3  | BENZENE       | 100.0 PPB | 59.6  |
| 4  | UNKNOWN       | 0.340 MVS | 75.0  |
| 5  | TOLUENE       | 100.0 PPB | 122.4 |
| 6  | UNKNOWN       | 10.42 MVS | 227.6 |
| 7  | ETHYLBENZENE  | 99.99 PPB | 255.4 |
| 8  | MP-XYLENE     | 200.0 PPB | 275.2 |
| 9  | O-XYLENE      | 100.0 PPB | 325.8 |

## NOTES

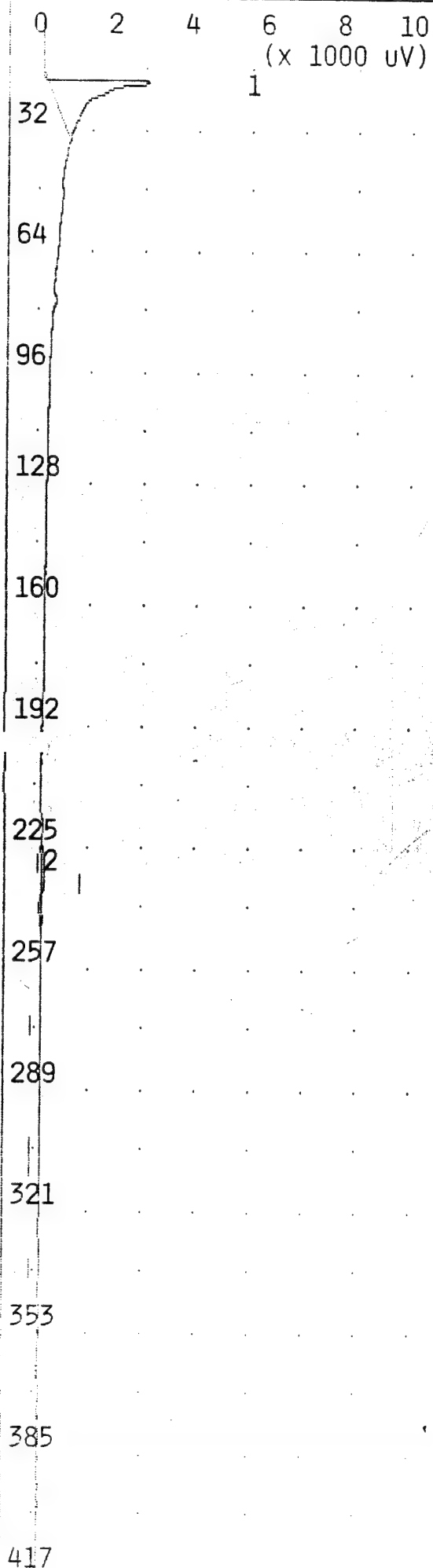
JOE BYRD, JR.

COOS BAY ANG5

10 Nov 1994

~~QWD 002BH 4.5 6.0~~

100 PPB BTEX JB



TIME PRINTED: NOV 10,94 12:41

SAMPLE TIME: NOV 10,94 12:33

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

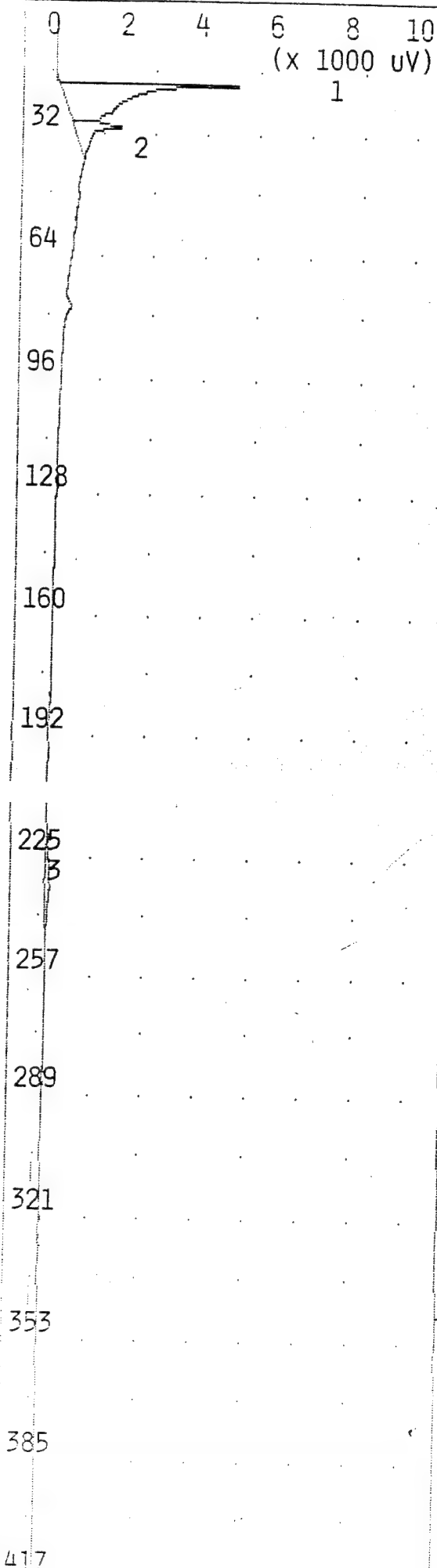
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 13.95 MVS | 17.0  |
| 2  | UNKNOWN       | 0.839 MVS | 227.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994

~~OWD-002BH 4.5 6.0 B~~

AIR BLANK



TIME PRINTED: Nov 10,94 12:52

SAMPLE TIME: Nov 10,94 12:44

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

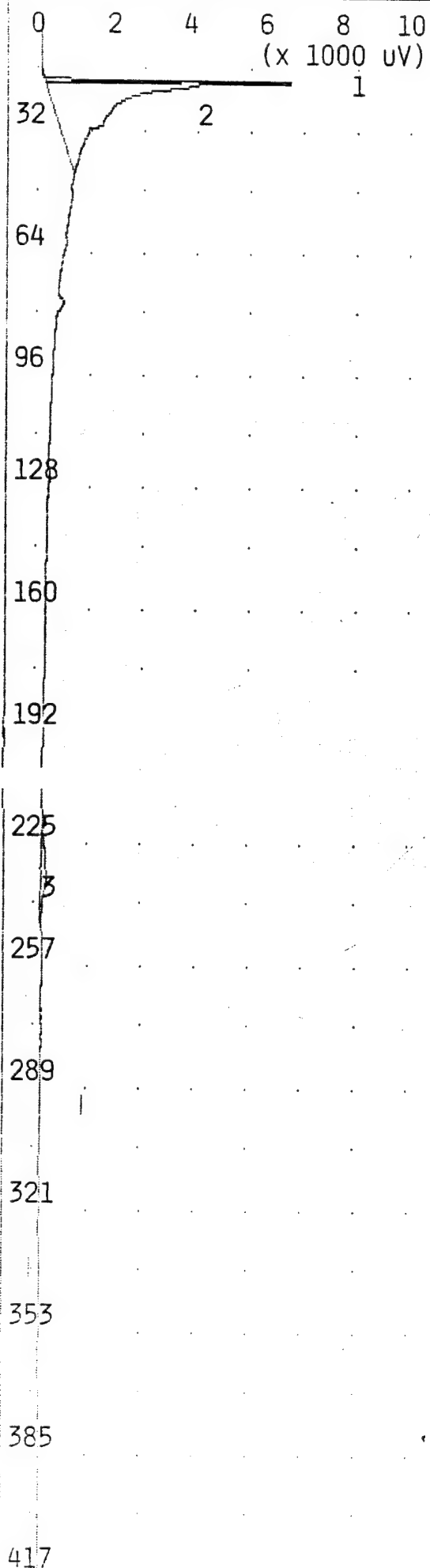
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 19.44 MVS | 16.9  |
| 2  | UNKNOWN       | 4.328 MVS | 28.2  |
| 3  | UNKNOWN       | 1.413 MVS | 227.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
OWD-002BH 8.5 -10.0

## ANALYSIS #21 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 13:02

SAMPLE TIME: Nov 10,94 12:54

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.515 MVS | 16.9  |
| 2  | UNKNOWN       | 26.77 MVS | 18.4  |
| 3  | ETHYLBENZENE  | 5.230 PPB | 230.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-002BH 13.5 -15.0

## ANALYSIS #22

## 10S+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: NOV 10,94 13:12

SAMPLE TIME: NOV 10,94 13:05

## METHOD

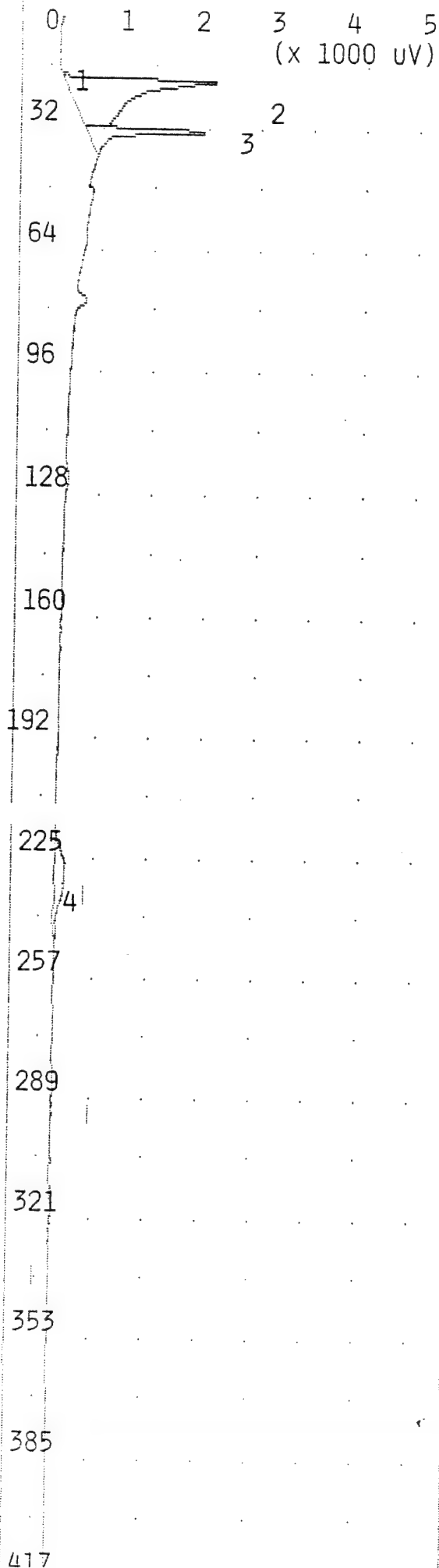
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

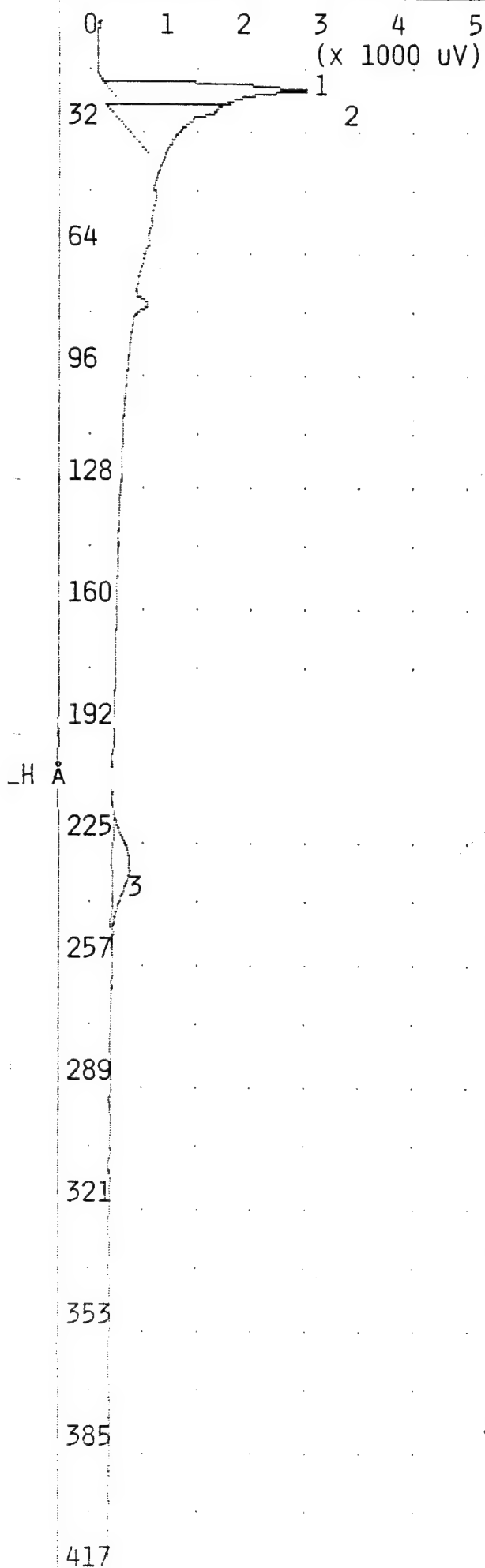
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.073 MVS | 15.8  |
| 2  | UNKNOWN       | 11.17 MVS | 17.2  |
| 3  | UNKNOWN       | 3.346 MVS | 30.7  |
| 4  | UNKNOWN       | 1.889 MVS | 227.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-002BH 18.5 -20.0



ANALYSIS #23 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 13:23

SAMPLE TIME: Nov 10,94 13:15

METHOD

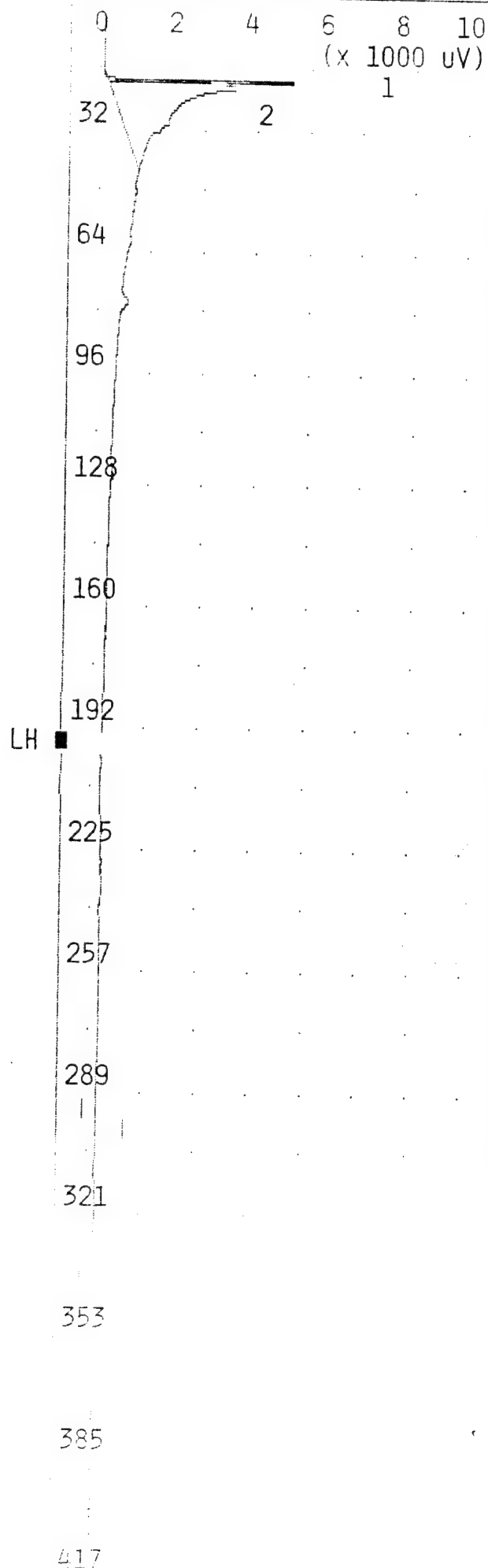
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 30 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.148 MVS | 17.2  |
| 2  | UNKNOWN       | 16.70 MVS | 18.6  |
| 3  | UNKNOWN       | 3.858 MVS | 228.8 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 Nov 1994  
 OWD-002BH 1.0- 2.5  
 3



TIME PRINTED: NOV 10,94 13:34

SAMPLE TIME: NOV 10,94 13:26

## METHOD

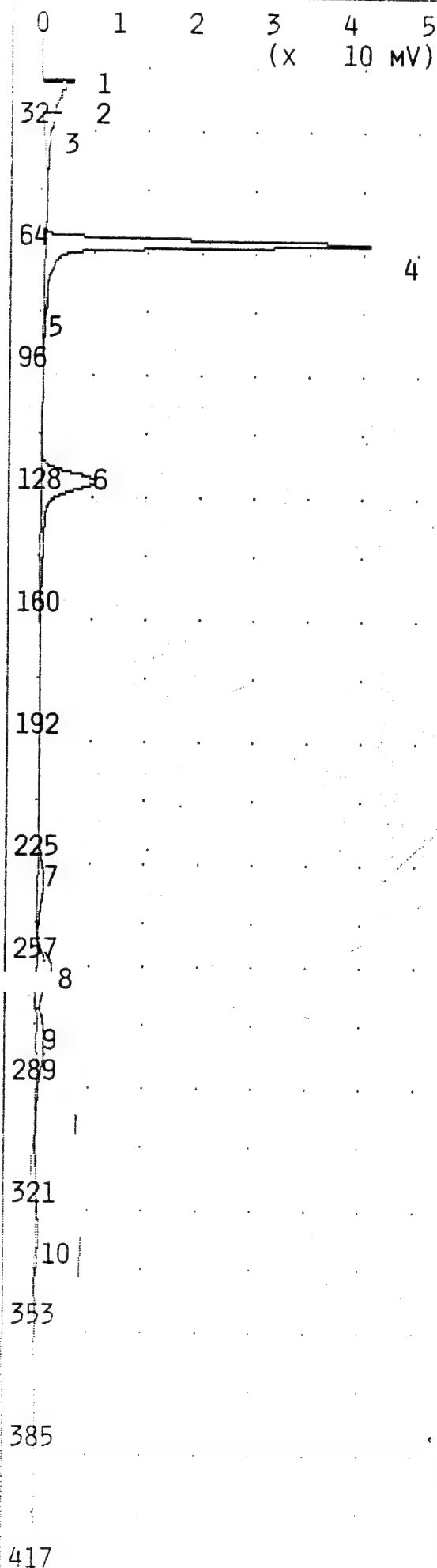
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 5.650 MVS | 16.8 |
| 2  | UNKNOWN       | 26.68 MVS | 18.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
10 NOV 1994  
OWD-003BH 4.5- 6.0



TIME PRINTED: Nov 10,94 13:44

SAMPLE TIME: Nov 10,94 13:36

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

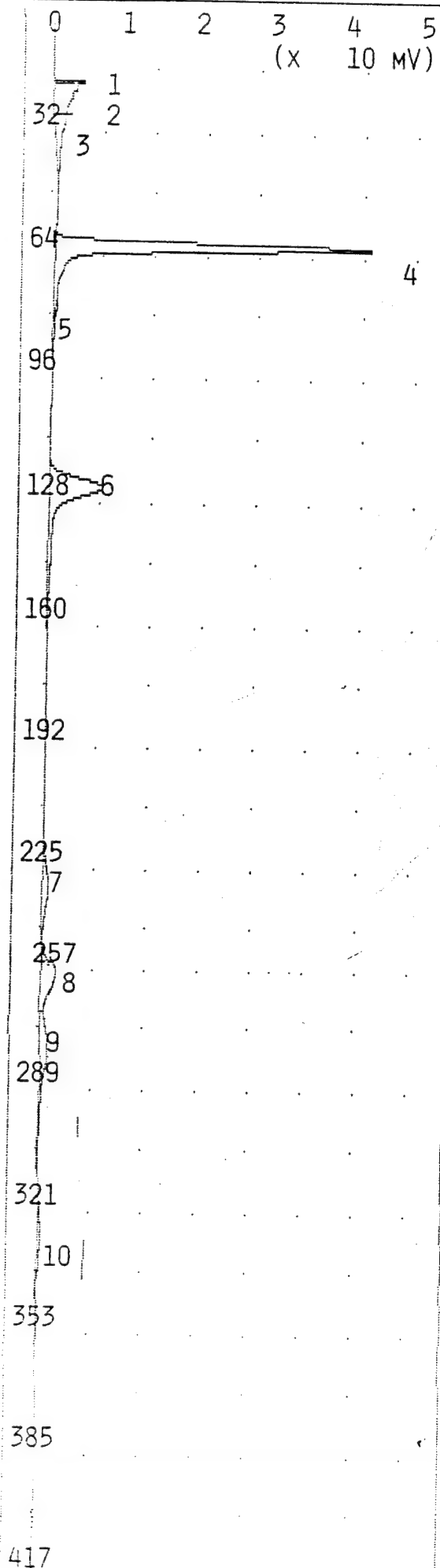
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.171 MVS | 17.0  |
| 2  | UNKNOWN       | 6.486 MVS | 18.6  |
| 3  | UNKNOWN       | 18.38 MVS | 21.0  |
| 4  | BENZENE       | 100.3 PPB | 59.6  |
| 5  | UNKNOWN       | 0.452 MVS | 75.3  |
| 6  | TOLUENE       | 84.80 PPB | 122.4 |
| 7  | UNKNOWN       | 11.54 MVS | 227.0 |
| 8  | ETHYLBENZENE  | 71.00 PPB | 255.4 |
| 9  | MP-XYLENE     | 129.7 PPB | 275.4 |
| 10 | O-XYLENE      | 68.25 PPB | 325.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 NOV 1994  
100 PPB BTEX





TIME PRINTED: NOV 10,94 13:50

SAMPLE TIME: NOV 10,94 13:36

## METHOD

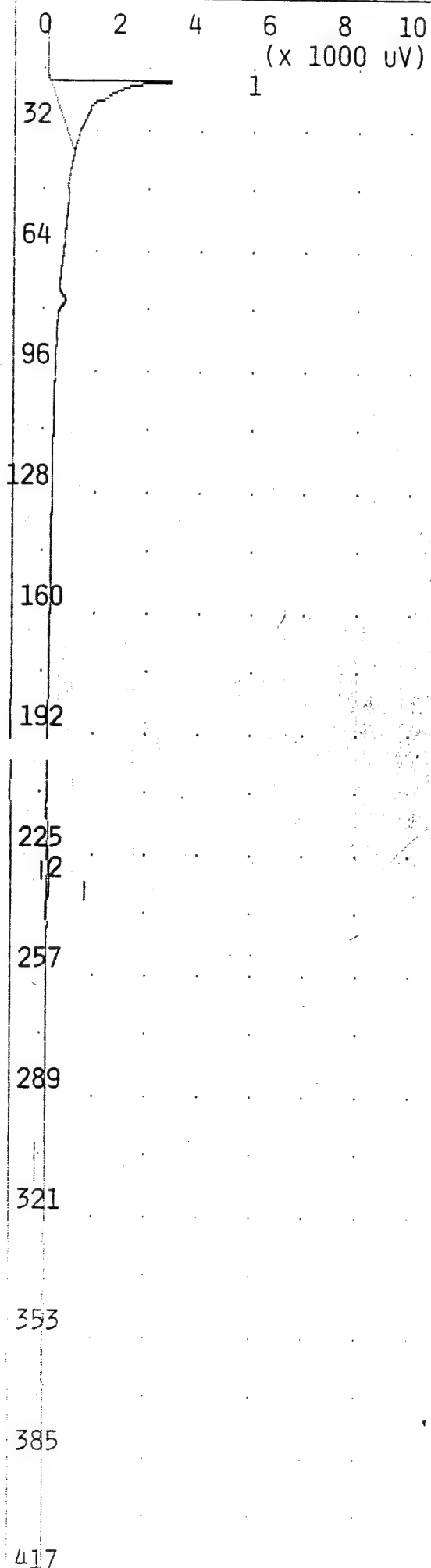
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.171 MVS | 17.0  |
| 2  | UNKNOWN       | 6.486 MVS | 18.6  |
| 3  | UNKNOWN       | 18.38 MVS | 21.0  |
| 4  | BENZENE       | 100.0 PPB | 59.6  |
| 5  | UNKNOWN       | 0.452 MVS | 75.3  |
| 6  | TOLUENE       | 100.0 PPB | 122.4 |
| 7  | UNKNOWN       | 11.54 MVS | 227.0 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 255.4 |
| 9  | MP-XYLENE     | 200.0 PPB | 275.4 |
| 10 | O-XYLENE      | 100.0 PPB | 325.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
100 PPB BTEX



TIME PRINTED: NOV 10,94 14:01

SAMPLE TIME: NOV 10,94 13:53

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

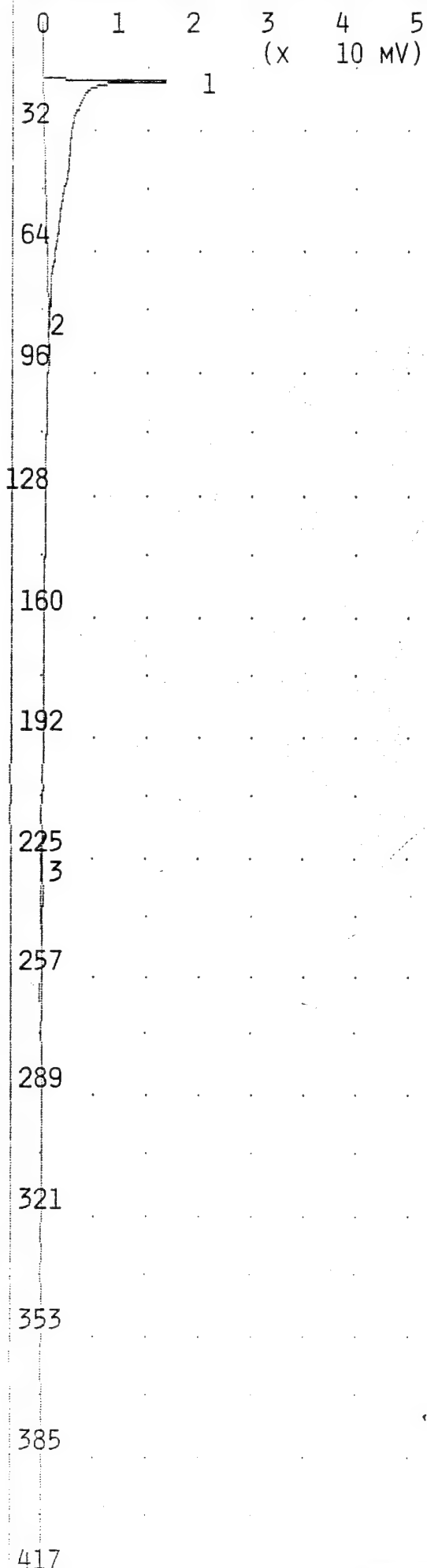
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.54 MVS | 16.9  |
| 2  | UNKNOWN       | 0.756 MVS | 227.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
AIR BLANK



TIME PRINTED: NOV 10,94 14:11

SAMPLE TIME: NOV 10,94 14:03

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

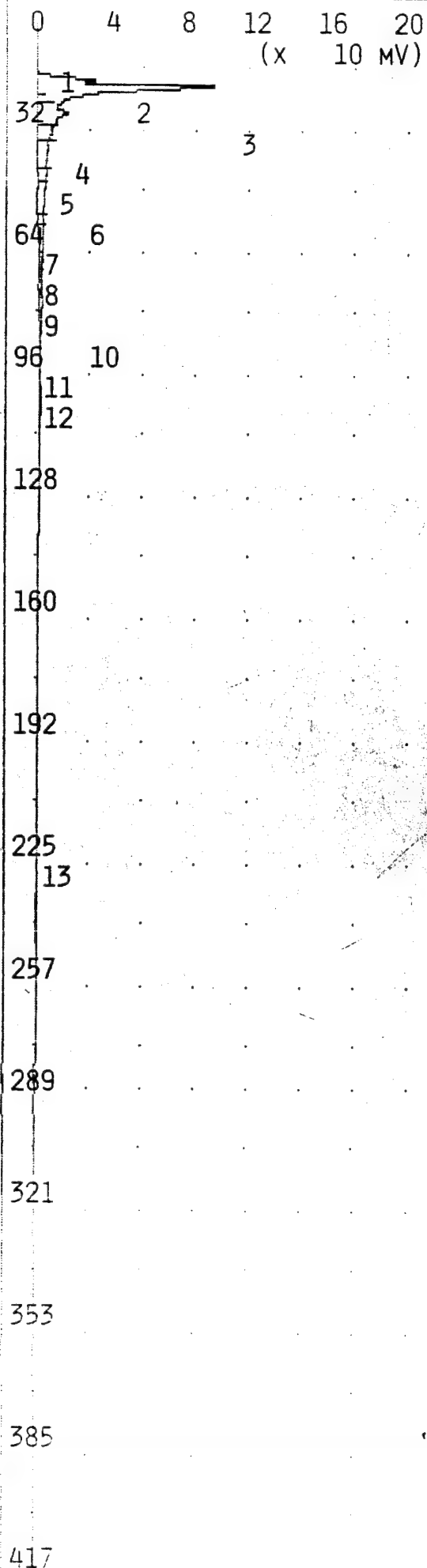
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 176.0 MVS | 16.8  |
| 2  | UNKNOWN       | 0.246 MVS | 75.3  |
| 3  | UNKNOWN       | 0.876 MVS | 227.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-003BH 8.5- 9.5



TIME PRINTED: NOV 10,94 14:21

SAMPLE TIME: NOV 10,94 14:14

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

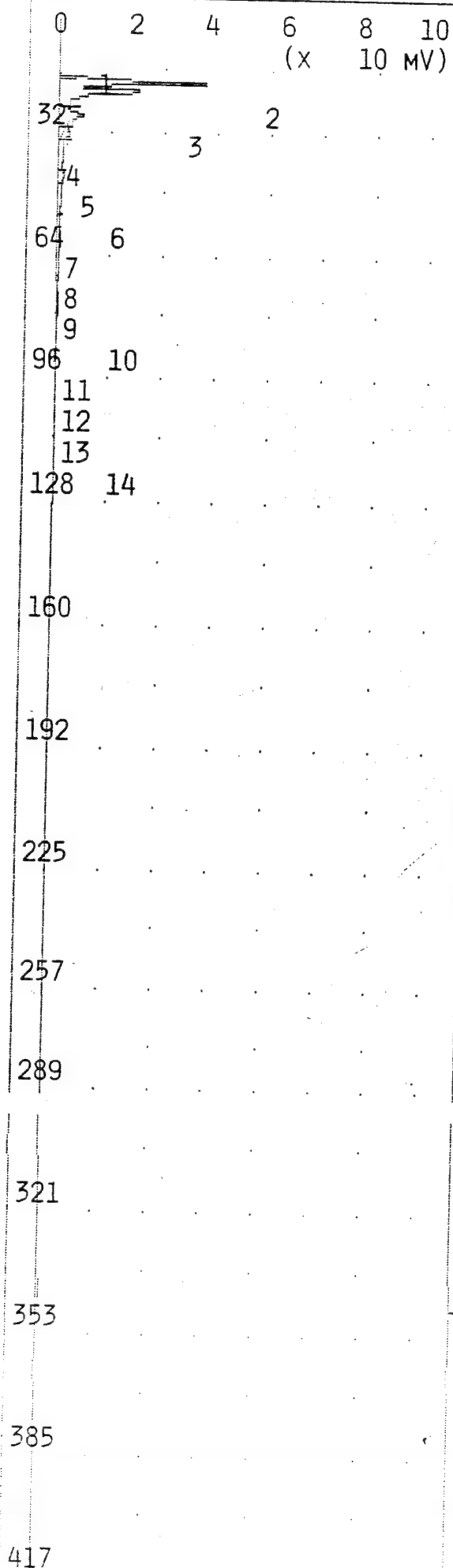
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.872 MVS | 15.7  |
| 2  | UNKNOWN       | 38.44 MVS | 16.6  |
| 3  | UNKNOWN       | 241.3 MVS | 18.3  |
| 4  | UNKNOWN       | 46.84 MVS | 25.6  |
| 5  | UNKNOWN       | 23.02 MVS | 28.2  |
| 6  | UNKNOWN       | 22.79 MVS | 30.7  |
| 7  | UNKNOWN       | 15.17 MVS | 34.6  |
| 8  | UNKNOWN       | 15.22 MVS | 37.4  |
| 9  | UNKNOWN       | 57.93 MVS | 41.3  |
| 10 | UNKNOWN       | 0.314 MVS | 53.5  |
| 11 | BENZENE       | 23.96 PPB | 59.5  |
| 12 | UNKNOWN       | 20.82 MVS | 75.6  |
| 13 | UNKNOWN       | 3.565 MVS | 225.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-003BH 13.5-14.5

## ANALYSIS #29

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 14:32

SAMPLE TIME: NOV 10,94 14:25

## METHOD

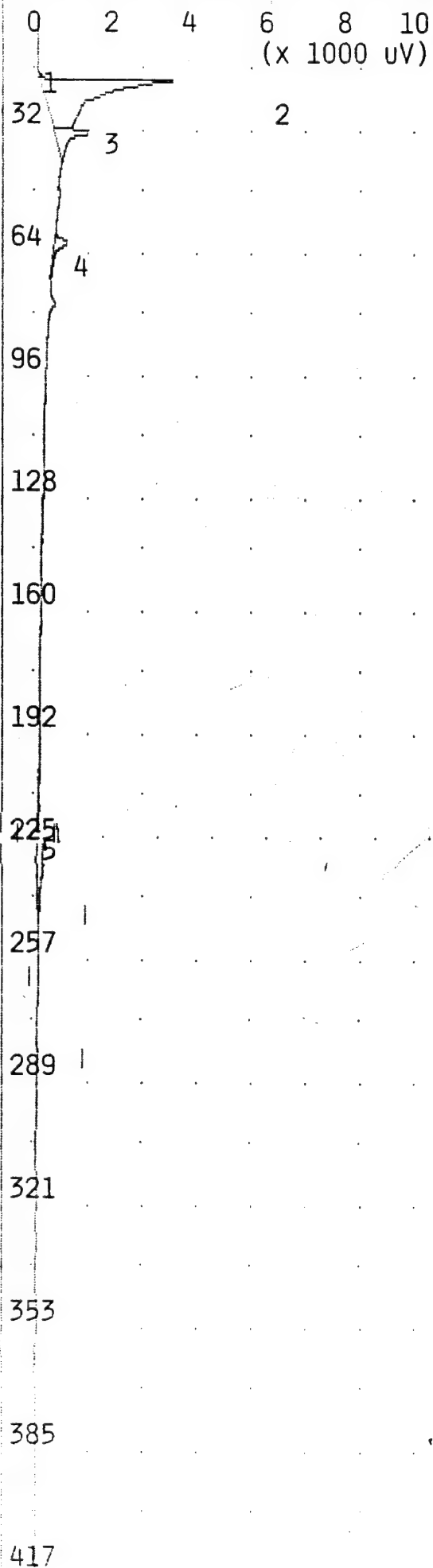
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 5.546 MVS | 15.7 |
| 2  | UNKNOWN       | 52.01 MVS | 16.7 |
| 3  | UNKNOWN       | 44.24 MVS | 19.2 |
| 4  | UNKNOWN       | 0.408 MVS | 22.8 |
| 5  | UNKNOWN       | 16.79 MVS | 25.5 |
| 6  | UNKNOWN       | 7.424 MVS | 28.2 |
| 7  | UNKNOWN       | 7.692 MVS | 30.7 |
| 8  | UNKNOWN       | 3.453 MVS | 34.6 |
| 9  | UNKNOWN       | 3.812 MVS | 37.2 |
| 10 | UNKNOWN       | 5.112 MVS | 41.2 |
| 11 | UNKNOWN       | 7.056 MVS | 44.4 |
| 12 | UNKNOWN       | 2.955 MVS | 53.8 |
| 13 | BENZENE       | 5.324 PPB | 59.4 |
| 14 | UNKNOWN       | 3.088 MVS | 75.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
OWD-003BH 13.5-14.5 RESHOT



TIME PRINTED: Nov 10, 94 14:43

SAMPLE TIME: Nov 10, 94 14:36

## METHOD

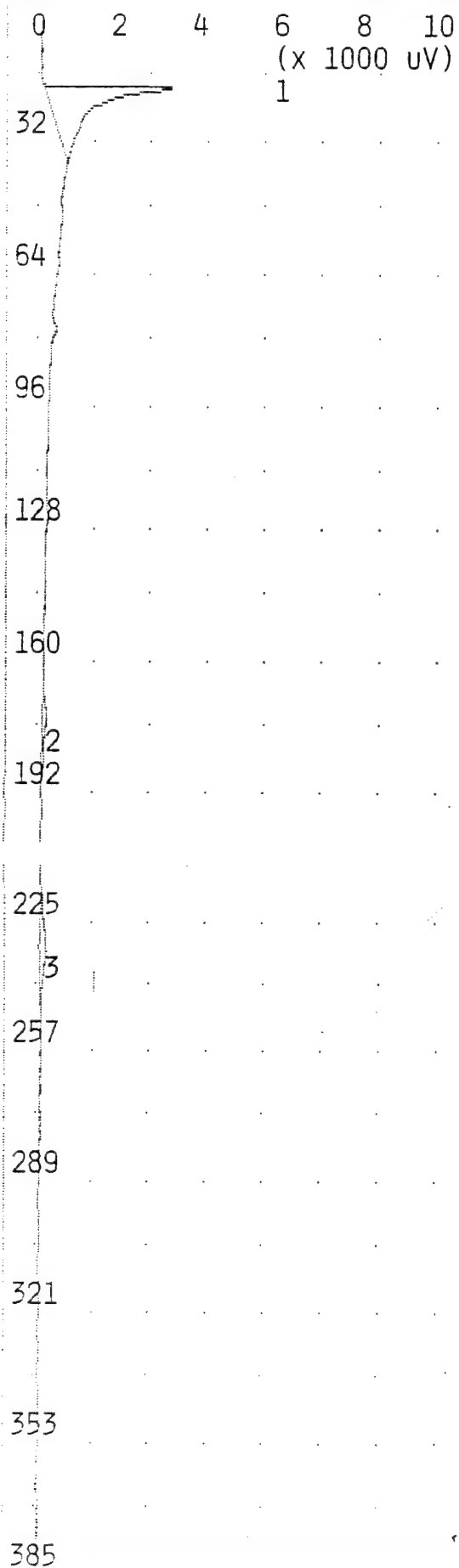
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.056 MVS | 15.8  |
| 2  | UNKNOWN       | 17.42 MVS | 17.0  |
| 3  | UNKNOWN       | 2.821 MVS | 30.7  |
| 4  | BENZENE       | 0.842 PPB | 59.5  |
| 5  | UNKNOWN       | 1.686 MVS | 225.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
10 Nov 1994  
OWD-003BH 18.5-20.0



TIME PRINTED: Nov 10,94 14:54

SAMPLE TIME: Nov 10,94 14:46

## METHOD

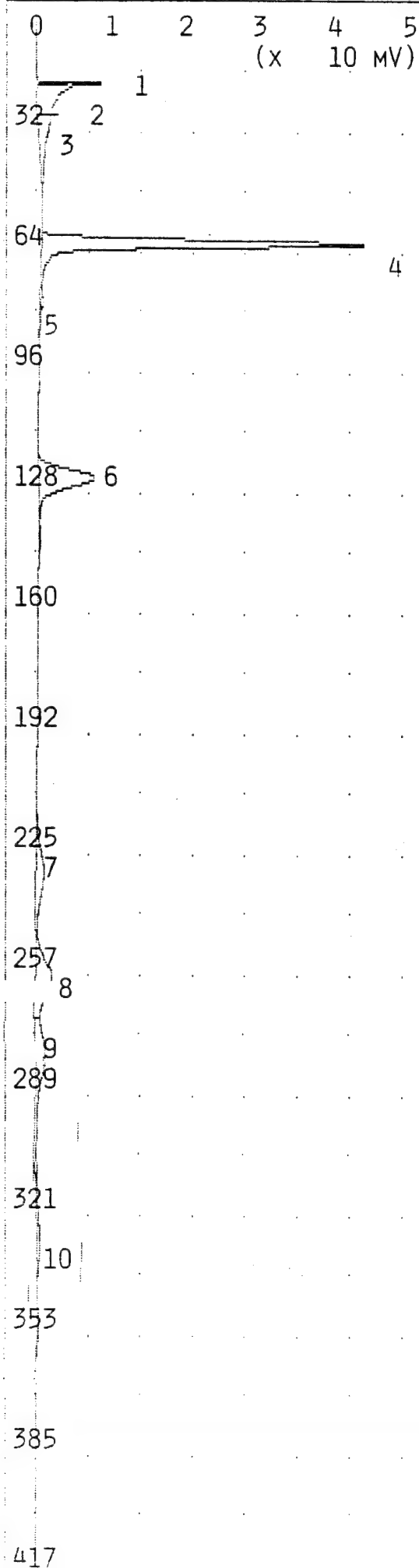
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 16.65 MVS | 17.0  |
| 2  | UNKNOWN       | 0.664 MVS | 171.6 |
| 3  | UNKNOWN       | 1.920 MVS | 228.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-001BH 1.0- 2.5



TIME PRINTED: NOV 10,94 15:04

SAMPLE TIME: NOV 10,94 14:56

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.571 MVS | 16.8  |
| 2  | UNKNOWN       | 8.155 MVS | 18.5  |
| 3  | UNKNOWN       | 23.67 MVS | 20.8  |
| 4  | BENZENE       | 96.48 PPB | 59.7  |
| 5  | UNKNOWN       | 0.828 MVS | 75.4  |
| 6  | TOLUENE       | 92.08 PPB | 122.5 |
| 7  | UNKNOWN       | 13.55 MVS | 227.6 |
| 8  | ETHYLBENZENE  | 101.1 PPB | 256.0 |
| 9  | MP-XYLENE     | 203.2 PPB | 275.7 |
| 10 | O-XYLENE      | 104.1 PPB | 325.6 |

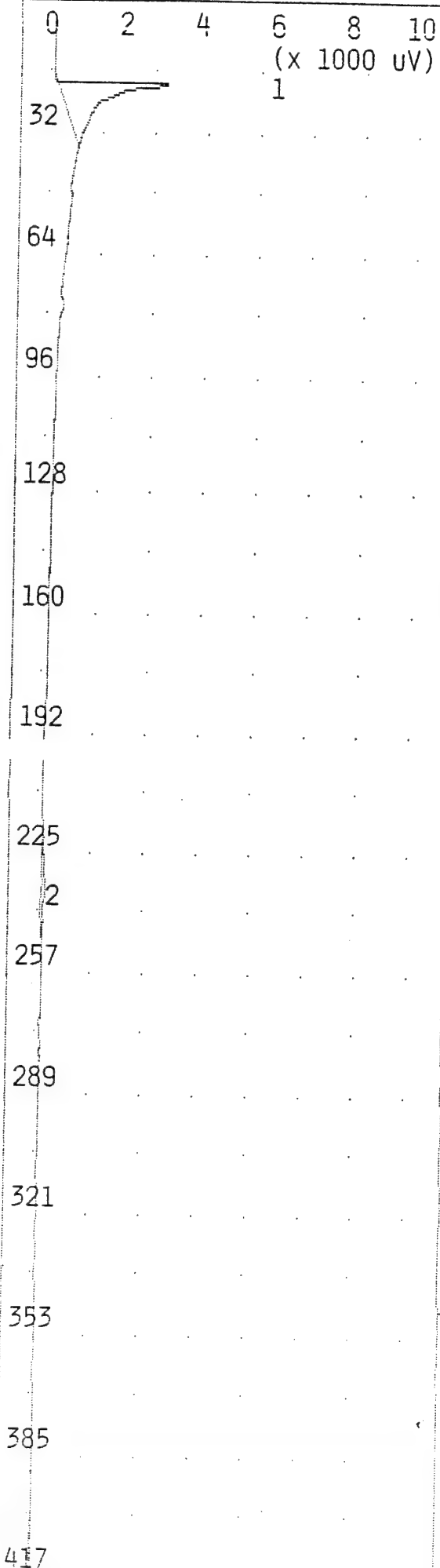
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
100 PPB BTEX



ANALYSIS #33

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 15:15

SAMPLE TIME: NOV 10,94 15:07

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

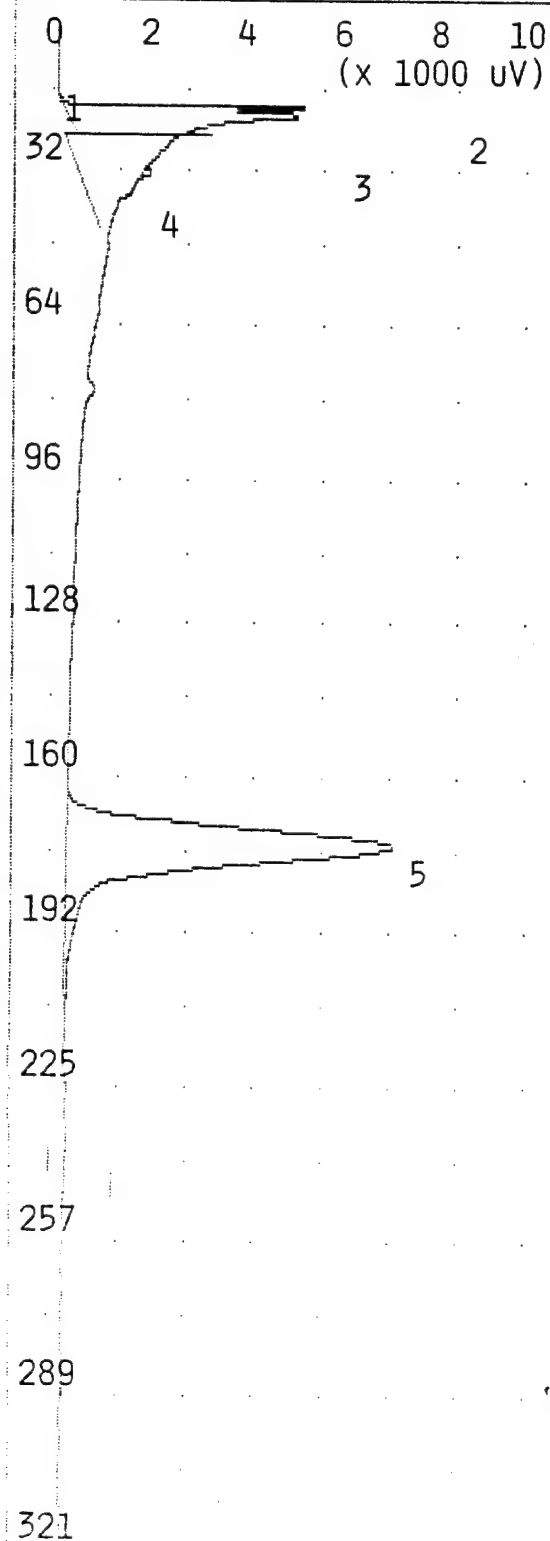
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 15.11 MVS | 17.0  |
| 2  | UNKNOWN       | 0.976 MVS | 228.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
AIR BLANK

ANALYSIS #34 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 10,94 15:25  
SAMPLE TIME: Nov 10,94 15:17

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.032 MVS | 15.8  |
| 2  | UNKNOWN       | 5.874 MVS | 16.9  |
| 3  | UNKNOWN       | 36.81 MVS | 18.4  |
| 4  | UNKNOWN       | 0.235 MVS | 30.7  |
| 5  | UNKNOWN       | 62.21 MVS | 172.8 |

353

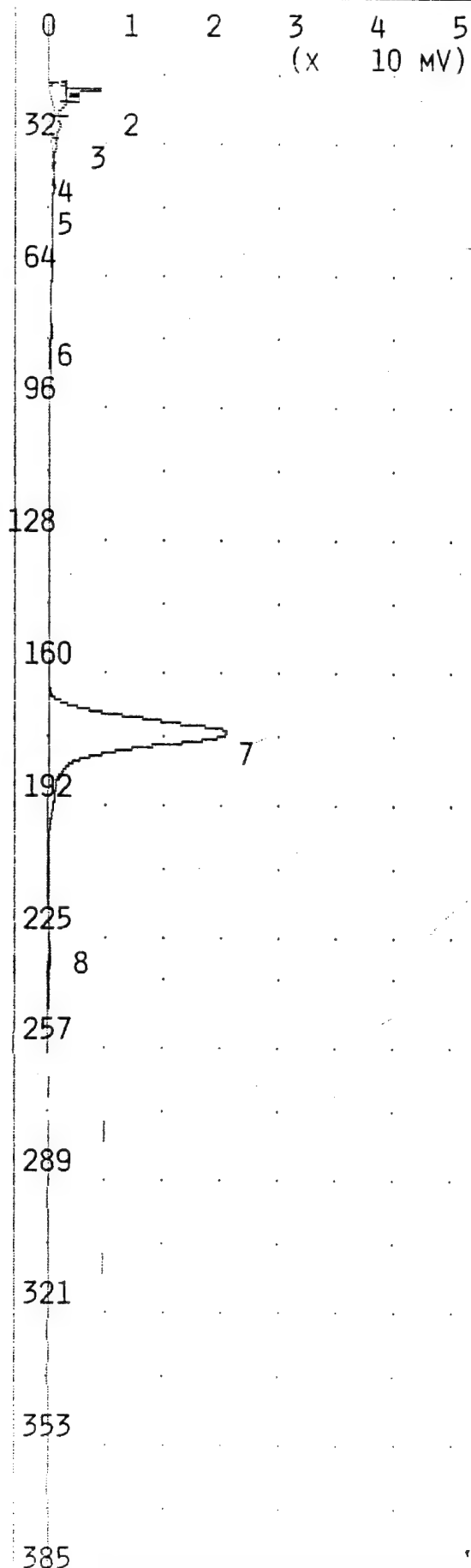
NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-001H 4.5- 6.0

385

417

450



TIME PRINTED: NOV 10,94 15:36

SAMPLE TIME: NOV 10,94 15:28

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

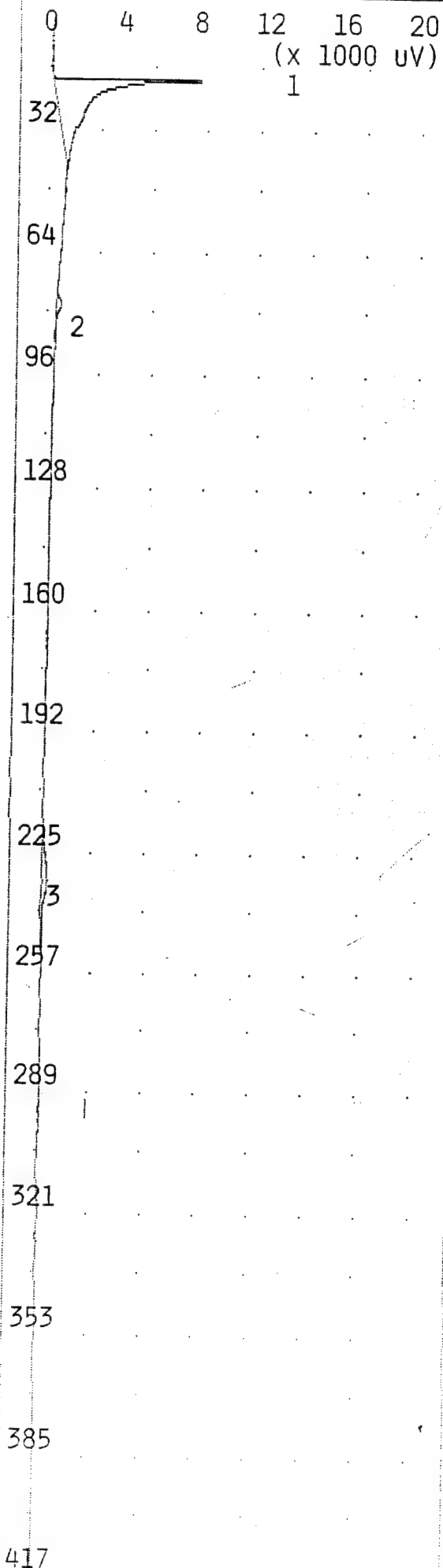
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.876 MVS | 15.8  |
| 2  | UNKNOWN       | 9.290 MVS | 16.8  |
| 3  | UNKNOWN       | 10.33 MVS | 19.3  |
| 4  | UNKNOWN       | 4.423 MVS | 25.6  |
| 5  | UNKNOWN       | 1.348 MVS | 30.8  |
| 6  | UNKNOWN       | 0.823 MVS | 75.8  |
| 7  | UNKNOWN       | 188.6 MVS | 173.0 |
| 8  | UNKNOWN       | 2.165 MVS | 229.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-001H 8.5-10.0



TIME PRINTED: NOV 10,94 15:46

SAMPLE TIME: NOV 10,94 15:38

## METHOD

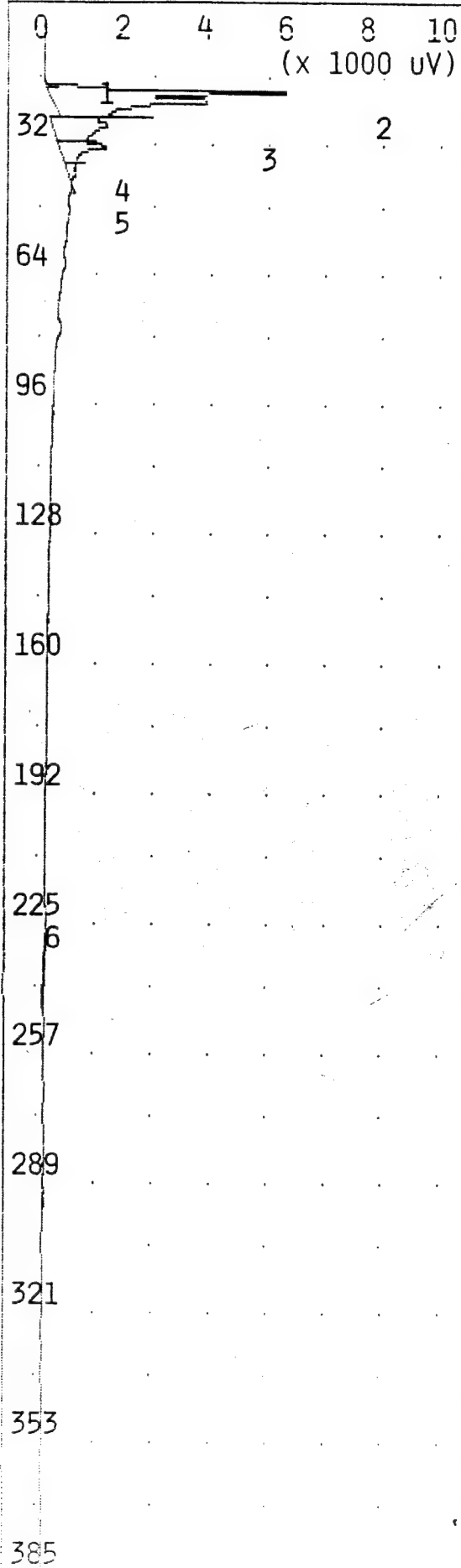
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 34.66 MVS | 16.9  |
| 2  | UNKNOWN       | 0.919 MVS | 75.4  |
| 3  | UNKNOWN       | 3.879 MVS | 227.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-002H 1.0- 2.5



TIME PRINTED: NOV 10, 94 15:57

SAMPLE TIME: NOV 10, 94 15:49

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

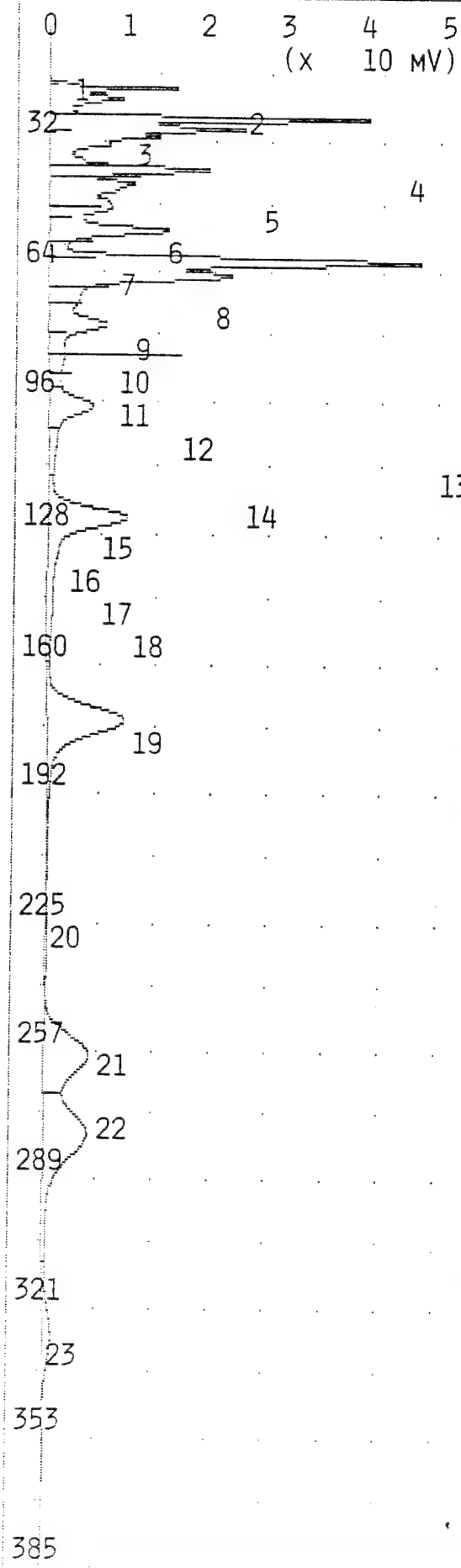
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.580 MVS | 15.8  |
| 2  | UNKNOWN       | 9.333 MVS | 17.0  |
| 3  | UNKNOWN       | 12.01 MVS | 19.3  |
| 4  | UNKNOWN       | 4.756 MVS | 25.4  |
| 5  | UNKNOWN       | 2.499 MVS | 30.8  |
| 6  | UNKNOWN       | 0.477 MVS | 226.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-002H 4.5- 6.0

## ANALYSIS #38 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 16:07

SAMPLE TIME: NOV 10,94 15:59

## METHOD

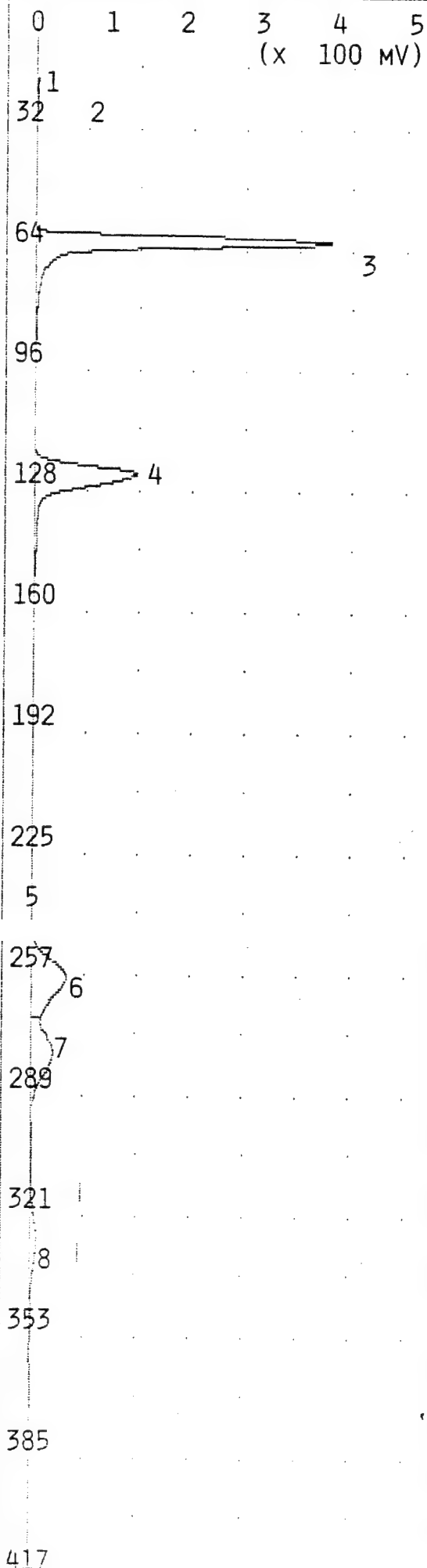
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.789 MVS | 15.8  |
| 2  | UNKNOWN       | 19.18 MVS | 16.8  |
| 3  | UNKNOWN       | 23.32 MVS | 19.4  |
| 4  | UNKNOWN       | 67.82 MVS | 24.4  |
| 5  | UNKNOWN       | 45.75 MVS | 27.0  |
| 6  | UNKNOWN       | 21.73 MVS | 29.0  |
| 7  | UNKNOWN       | 16.38 MVS | 30.8  |
| 8  | UNKNOWN       | 53.95 MVS | 37.0  |
| 9  | UNKNOWN       | 38.76 MVS | 40.4  |
| 10 | UNKNOWN       | 12.11 MVS | 44.8  |
| 11 | UNKNOWN       | 24.99 MVS | 46.3  |
| 12 | UNKNOWN       | 52.42 MVS | 52.0  |
| 13 | BENZENE       | 102.9 PPB | 59.7  |
| 14 | UNKNOWN       | 95.67 MVS | 63.2  |
| 15 | UNKNOWN       | 36.71 MVS | 75.6  |
| 16 | UNKNOWN       | 16.56 MVS | 83.3  |
| 17 | UNKNOWN       | 43.23 MVS | 95.6  |
| 18 | TOLUENE       | 140.4 PPB | 122.4 |
| 19 | UNKNOWN       | 97.21 MVS | 172.4 |
| 20 | UNKNOWN       | 3.878 MVS | 227.0 |
| 21 | ETHYLBENZENE  | 134.9 PPB | 256.2 |
| 22 | MP-XYLENE     | 337.8 PPB | 275.7 |
| 23 | O-XYLENE      | 136.3 PPB | 326.1 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS  
 10 Nov 1994  
 MSS-002H 8.5-10.0



TIME PRINTED: Nov 10,94 16:25  
 SAMPLE TIME: Nov 10,94 16:17

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 12 ML/MIN  
 B/F FLOW 12 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.628 MVS | 16.9  |
| 2  | UNKNOWN       | 19.65 MVS | 18.6  |
| 3  | BENZENE       | 862.7 PPB | 60.0  |
| 4  | TOLUENE       | 1.061 PPM | 122.0 |
| 5  | UNKNOWN       | 8.177 MVS | 228.0 |
| 6  | ETHYLBENZENE  | 522.1 PPB | 256.0 |
| 7  | MP-XYLENE     | 1.028 PPM | 275.7 |
| 8  | O-XYLENE      | 556.5 PPB | 326.1 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 Nov 1994  
 1 PPM BTEX



0 1 2 3 4 5  
(x 100 MV)

TIME PRINTED: NOV 10,94 16:31

SAMPLE TIME: NOV 10,94 16:17

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

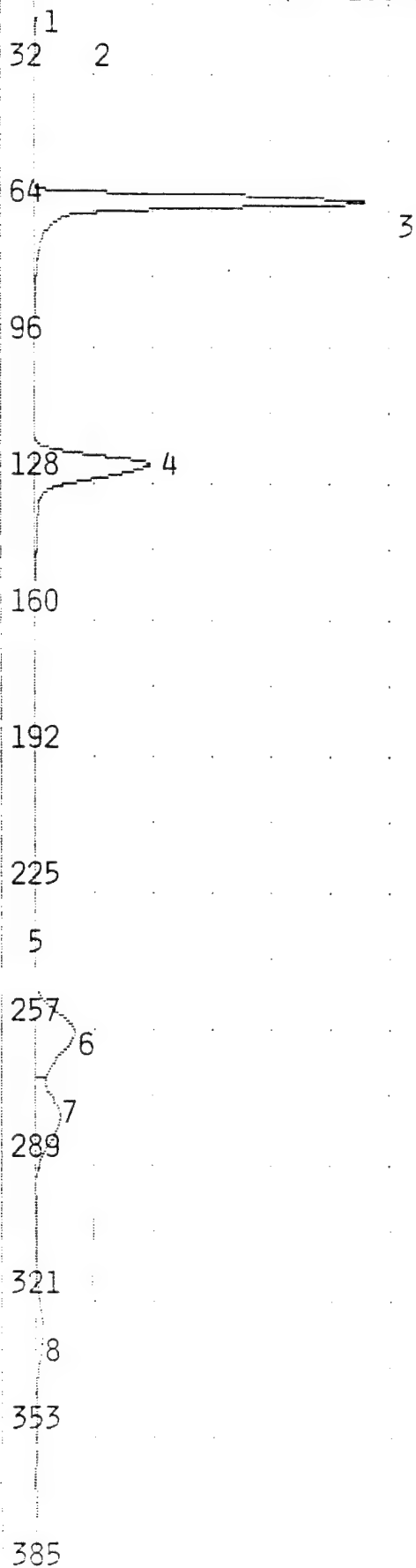
AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

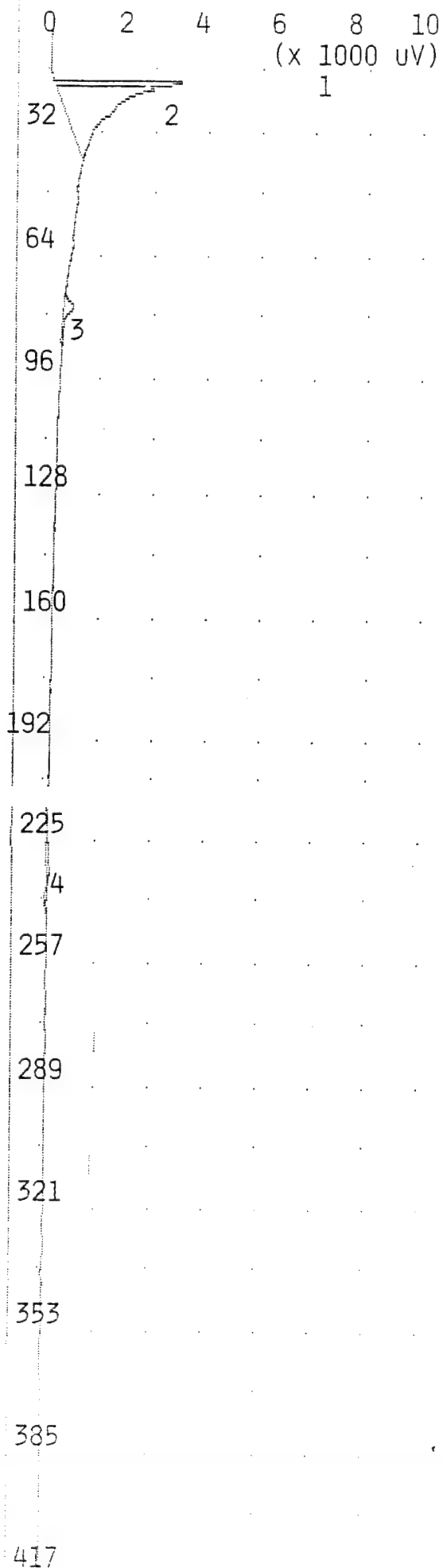
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.628 MVS | 16.9  |
| 2  | UNKNOWN       | 19.65 MVS | 18.6  |
| 3  | BENZENE       | 999.9 PPB | 60.0  |
| 4  | TOLUENE       | 1.000 PPM | 122.0 |
| 5  | UNKNOWN       | 8.177 MVS | 228.0 |
| 6  | ETHYLBENZENE  | 999.9 PPB | 256.0 |
| 7  | MP-XYLENE     | 1.999 PPM | 275.7 |
| 8  | O-XYLENE      | 999.9 PPB | 326.1 |



## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
1 PPM BTEX



TIME PRINTED: NOV 10,94 16:44

SAMPLE TIME: NOV 10,94 16:37

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

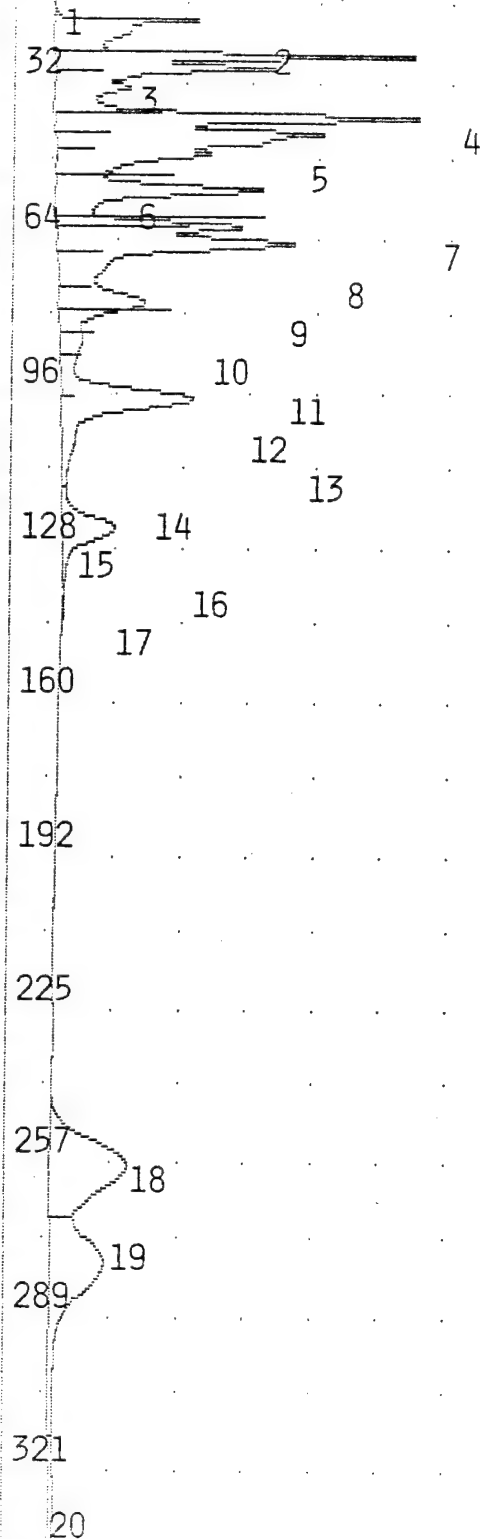
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.927 MVS | 17.0  |
| 2  | UNKNOWN       | 18.40 MVS | 18.6  |
| 3  | UNKNOWN       | 0.828 MVS | 75.6  |
| 4  | UNKNOWN       | 0.741 MVS | 227.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994

~~1 PPM BTEX~~ 33  
AIR BLANK

## ANALYSIS #41 10S+ GC FUNCTION ANALYSIS REPORT

0 4 8 12 16 20  
(x 1000 uV)

TIME PRINTED: NOV 10,94 16:55

SAMPLE TIME: NOV 10,94 16:47

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

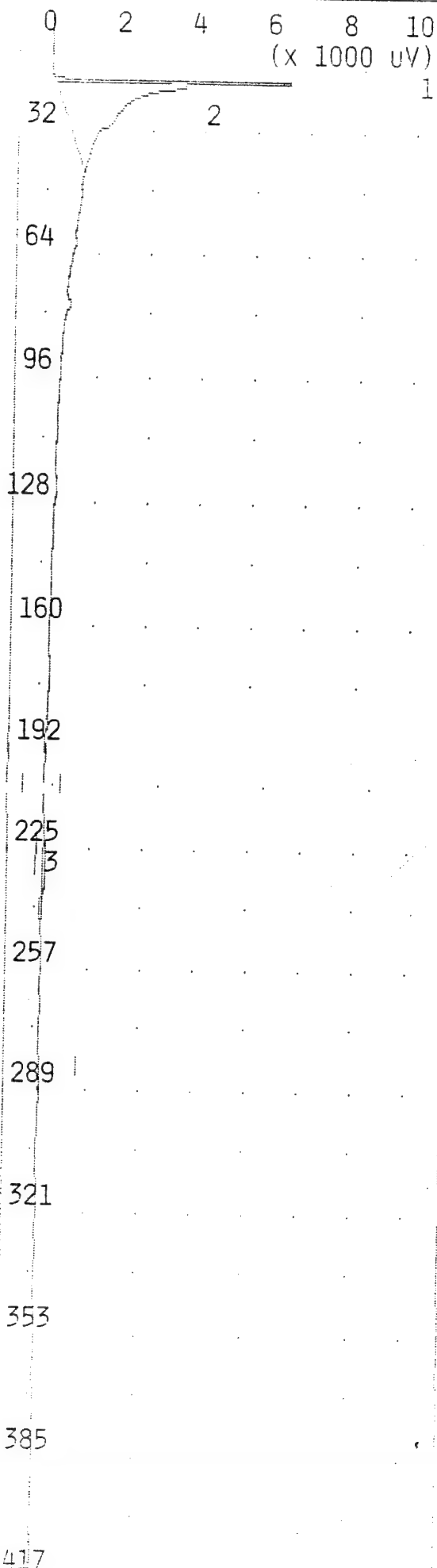
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.091 MVS | 15.6  |
| 2  | UNKNOWN       | 7.324 MVS | 16.8  |
| 3  | UNKNOWN       | 11.76 MVS | 18.5  |
| 4  | UNKNOWN       | 25.05 MVS | 24.4  |
| 5  | UNKNOWN       | 21.98 MVS | 26.9  |
| 6  | UNKNOWN       | 8.461 MVS | 30.8  |
| 7  | UNKNOWN       | 38.39 MVS | 37.1  |
| 8  | UNKNOWN       | 25.14 MVS | 40.4  |
| 9  | UNKNOWN       | 15.82 MVS | 42.1  |
| 10 | UNKNOWN       | 22.31 MVS | 44.5  |
| 11 | UNKNOWN       | 28.51 MVS | 52.0  |
| 12 | BENZENE       | 18.39 PPB | 59.6  |
| 13 | UNKNOWN       | 42.55 MVS | 63.1  |
| 14 | UNKNOWN       | 21.69 MVS | 75.4  |
| 15 | UNKNOWN       | 6.642 MVS | 83.4  |
| 16 | UNKNOWN       | 35.60 MVS | 95.6  |
| 17 | TOLUENE       | 33.46 PPB | 122.2 |
| 18 | ETHYLBENZENE  | 127.9 PPB | 255.7 |
| 19 | MP-XYLENE     | 278.3 PPB | 275.7 |
| 20 | O-XYLENE      | 54.21 PPB | 325.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
MSS-002BH 13.5-15.0

ANALYSIS #42 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10, 94 17:06  
SAMPLE TIME: NOV 10, 94 16:59

METHOD

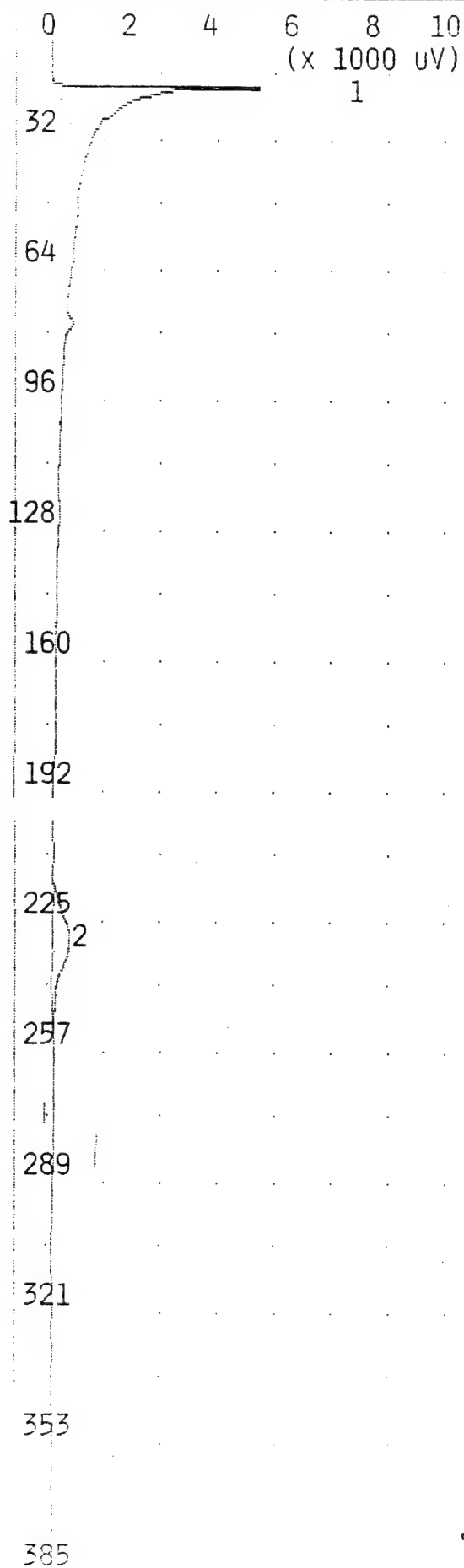
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.026 MVS | 16.8  |
| 2  | UNKNOWN       | 25.79 MVS | 18.4  |
| 3  | UNKNOWN       | 0.769 MVS | 226.4 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
MSS-003BH 1.0- 2.5



TIME PRINTED: NOV 10,94 17:17

SAMPLE TIME: NOV 10,94 17:09

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 22.18 MVS | 16.8  |
| 2  | UNKNOWN       | 6.408 MVS | 226.6 |

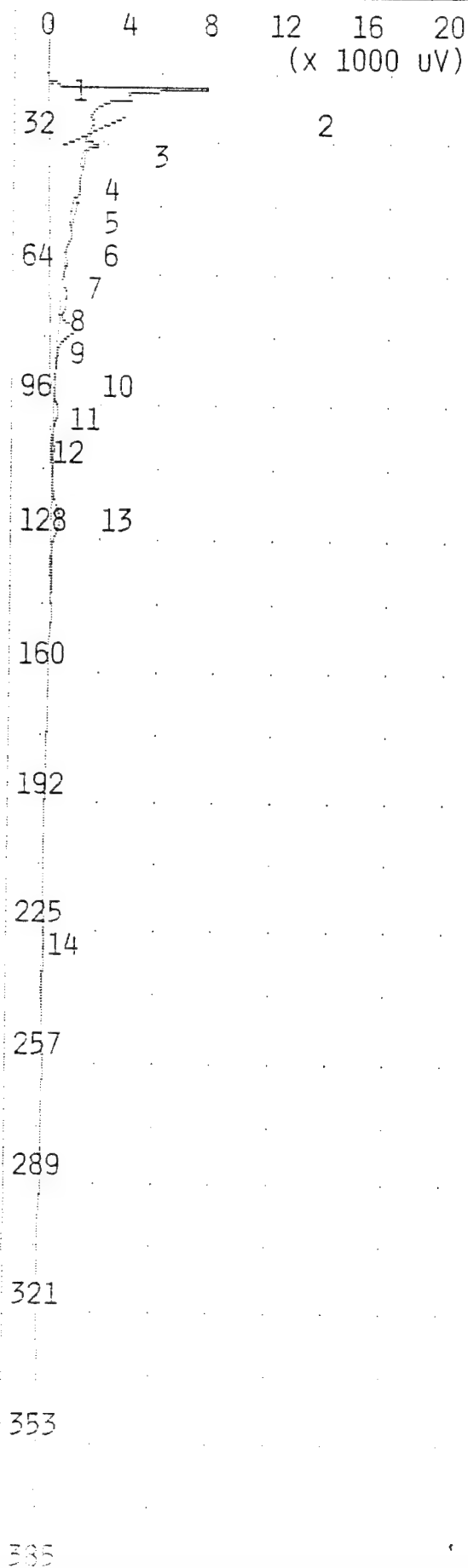
## NOTES

JOE BYRD, JR.

COOS BAY ANG3

10 Nov 1994

MSS-003BH 4.5- 5.5



TIME PRINTED: Nov 10, 94 17:27

SAMPLE TIME: Nov 10, 94 17:19

## METHOD

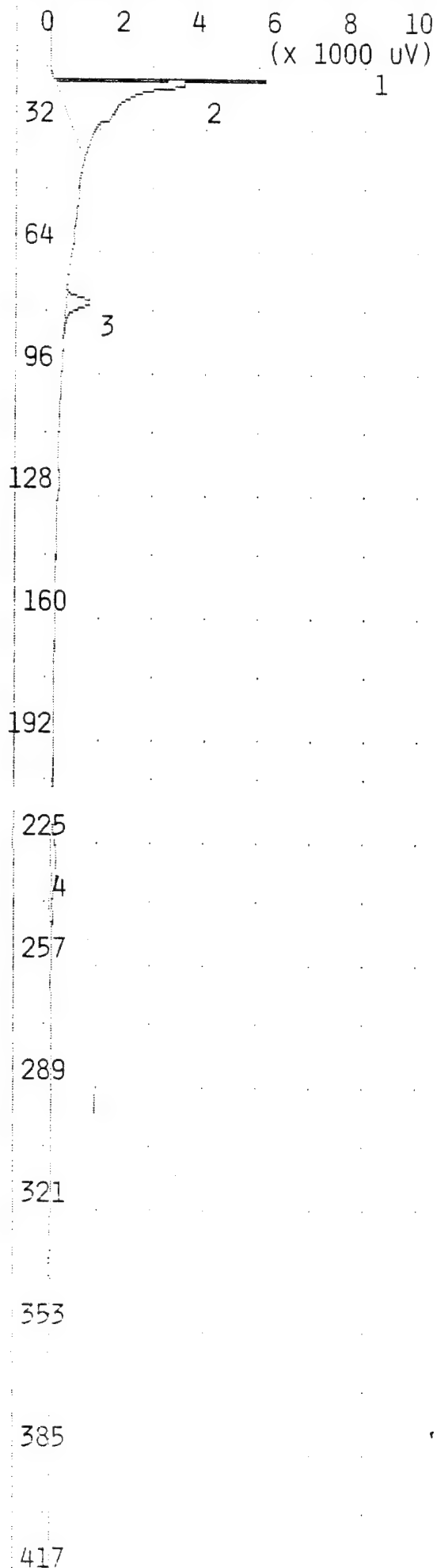
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.369 MVS | 15.9  |
| 2  | UNKNOWN       | 95.54 MVS | 17.0  |
| 3  | UNKNOWN       | 0.775 MVS | 19.4  |
| 4  | UNKNOWN       | 0.675 MVS | 25.5  |
| 5  | UNKNOWN       | 0.969 MVS | 30.9  |
| 6  | UNKNOWN       | 0.249 MVS | 37.0  |
| 7  | UNKNOWN       | 0.475 MVS | 42.2  |
| 8  | UNKNOWN       | 0.323 MVS | 52.5  |
| 9  | BENZENE       | 0.117 PPB | 59.1  |
| 10 | UNKNOWN       | 1.298 MVS | 67.4  |
| 11 | UNKNOWN       | 3.067 MVS | 76.0  |
| 12 | UNKNOWN       | 1.178 MVS | 95.8  |
| 13 | TOLUENE       | 6.611 PPB | 122.5 |
| 14 | UNKNOWN       | 0.567 MVS | 225.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
MSS-003BH 3.5- 8.5



TIME PRINTED: Nov 10,94 17:38

SAMPLE TIME: Nov 10,94 17:30

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.335 MVS | 16.9  |
| 2  | UNKNOWN       | 22.27 MVS | 18.4  |
| 3  | UNKNOWN       | 2.201 MVS | 75.6  |
| 4  | UNKNOWN       | 1.978 MVS | 228.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
TS-001BH 1.0- 2.5

0 1 2 3 4 5  
(x 10 MV)

TIME PRINTED: Nov 10,94 17:48

SAMPLE TIME: Nov 10,94 17:40

## METHOD

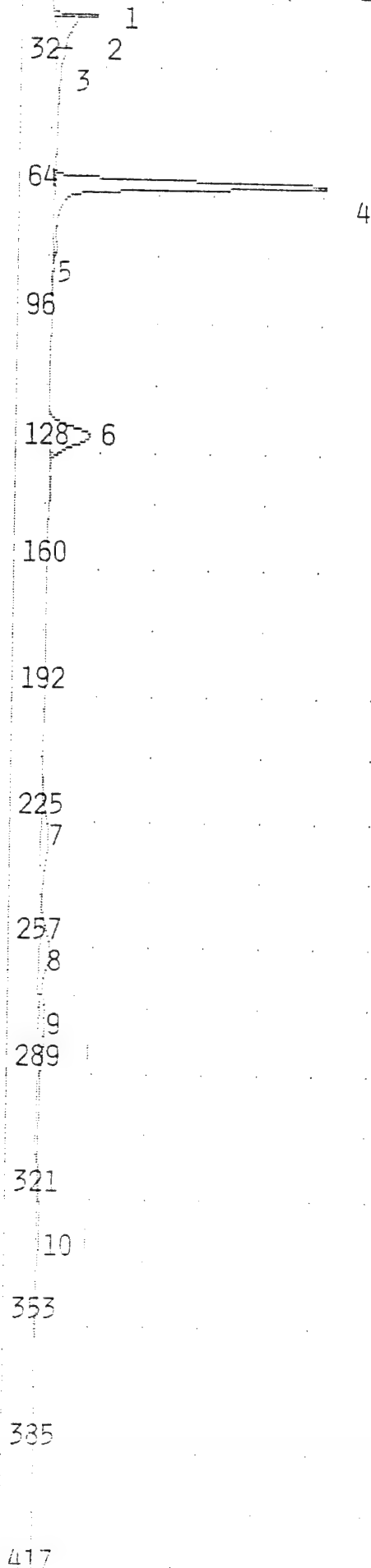
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.366 MVS | 16.8  |
| 2  | UNKNOWN       | 6.282 MVS | 18.4  |
| 3  | UNKNOWN       | 15.83 MVS | 20.7  |
| 4  | BENZENE       | 81.87 PPB | 59.6  |
| 5  | UNKNOWN       | 0.892 MVS | 75.4  |
| 6  | TOLUENE       | 68.00 PPB | 122.2 |
| 7  | UNKNOWN       | 12.40 MVS | 227.4 |
| 8  | ETHYLBENZENE  | 62.82 PPB | 255.7 |
| 9  | MP-XYLENE     | 130.5 PPB | 275.2 |
| 10 | O-XYLENE      | 75.15 PPB | 325.6 |

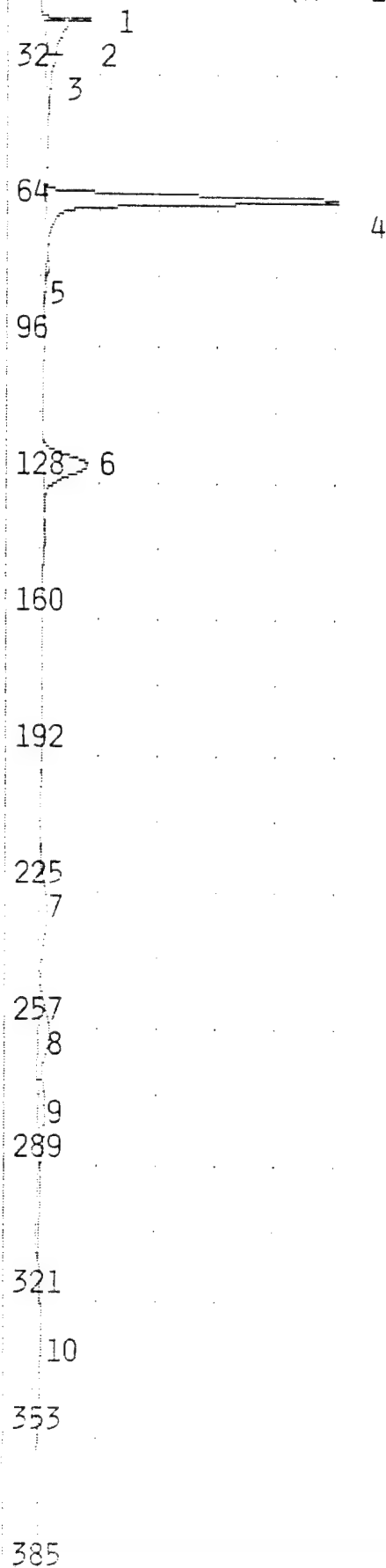
## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 Nov 1994  
100 PPB BTEX





0 1 2 3 4 5  
(X 10 MV)



TIME PRINTED: NOV 10, 94 17:53

SAMPLE TIME: NOV 10, 94 17:40

## METHOD

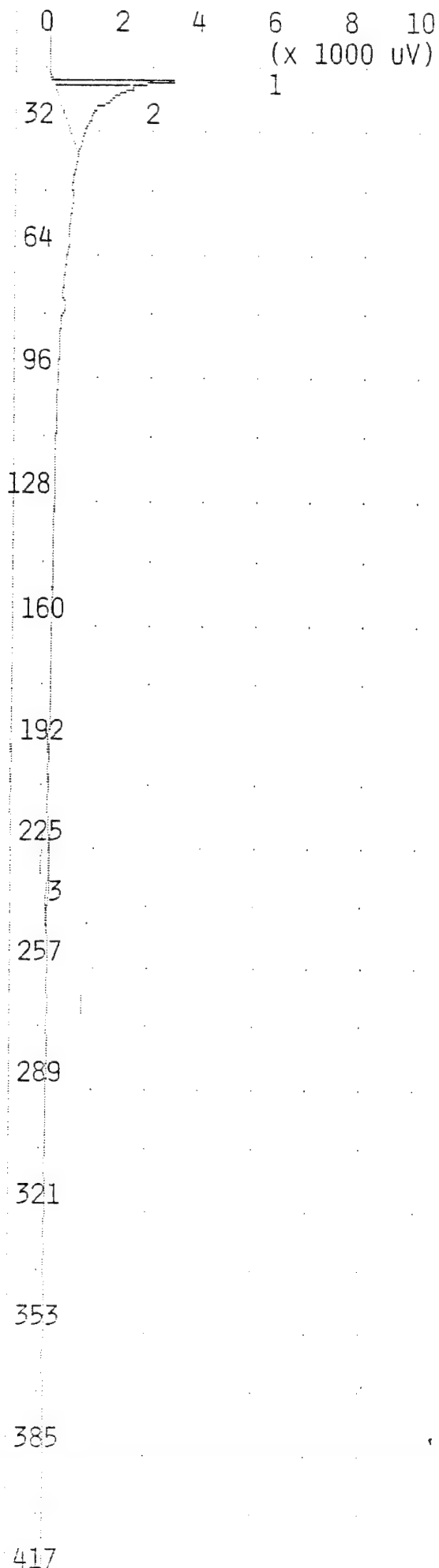
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.366 MVS | 16.8  |
| 2  | UNKNOWN       | 6.282 MVS | 18.4  |
| 3  | UNKNOWN       | 15.83 MVS | 20.7  |
| 4  | BENZENE       | 100.0 PPB | 59.6  |
| 5  | UNKNOWN       | 0.892 MVS | 75.4  |
| 6  | TOLUENE       | 100.0 PPB | 122.2 |
| 7  | UNKNOWN       | 12.40 MVS | 227.4 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 255.7 |
| 9  | MP-XYLENE     | 199.9 PPB | 275.2 |
| 10 | O-XYLENE      | 100.0 PPB | 325.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 NOV 1994  
100 PPB BTEX



TIME PRINTED: Nov 10, 94 18:03

SAMPLE TIME: Nov 10, 94 17:56

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 12 ML/MIN

B/F FLOW 12 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 450.0 SEC

## PEAK REPORT

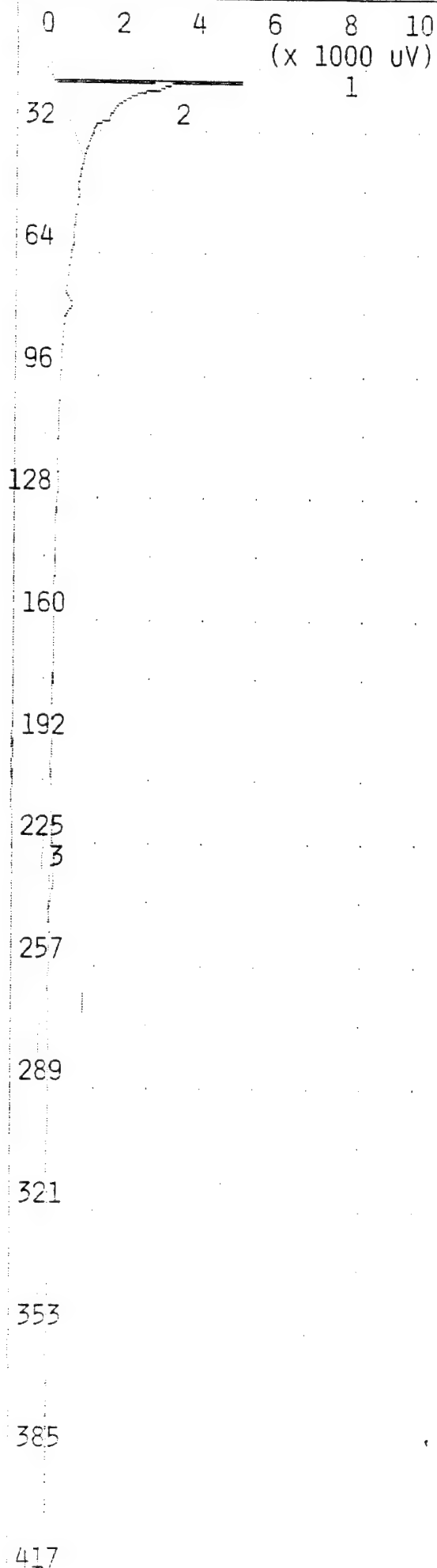
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.555 MVS | 16.9  |
| 2  | UNKNOWN       | 14.25 MVS | 18.7  |
| 3  | UNKNOWN       | 0.531 MVS | 229.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
10 NOV 1994  
AIR BLANK

## ANALYSIS #48

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 10,94 18:13

SAMPLE TIME: NOV 10,94 18:06

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

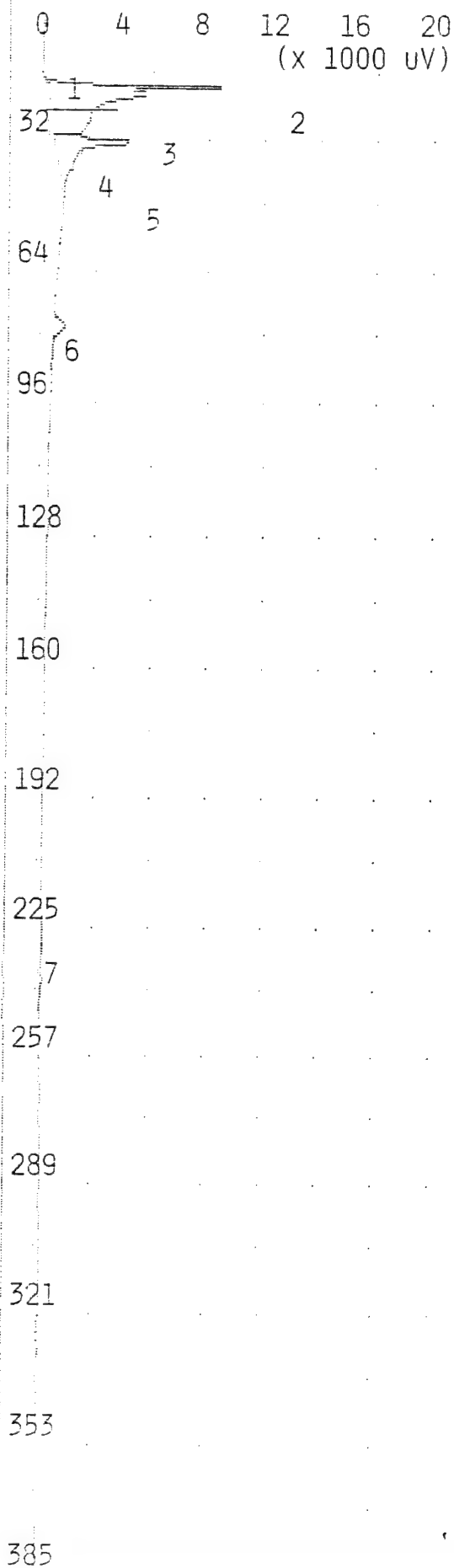
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.851 MVS | 16.9  |
| 2  | UNKNOWN       | 20.13 MVS | 18.5  |
| 3  | UNKNOWN       | 1.334 MVS | 227.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
10 NOV 1994  
TS-001BH 4.5- 6.0



TIME PRINTED: NOV 10,94 18:24

SAMPLE TIME: NOV 10,94 18:16

## METHOD

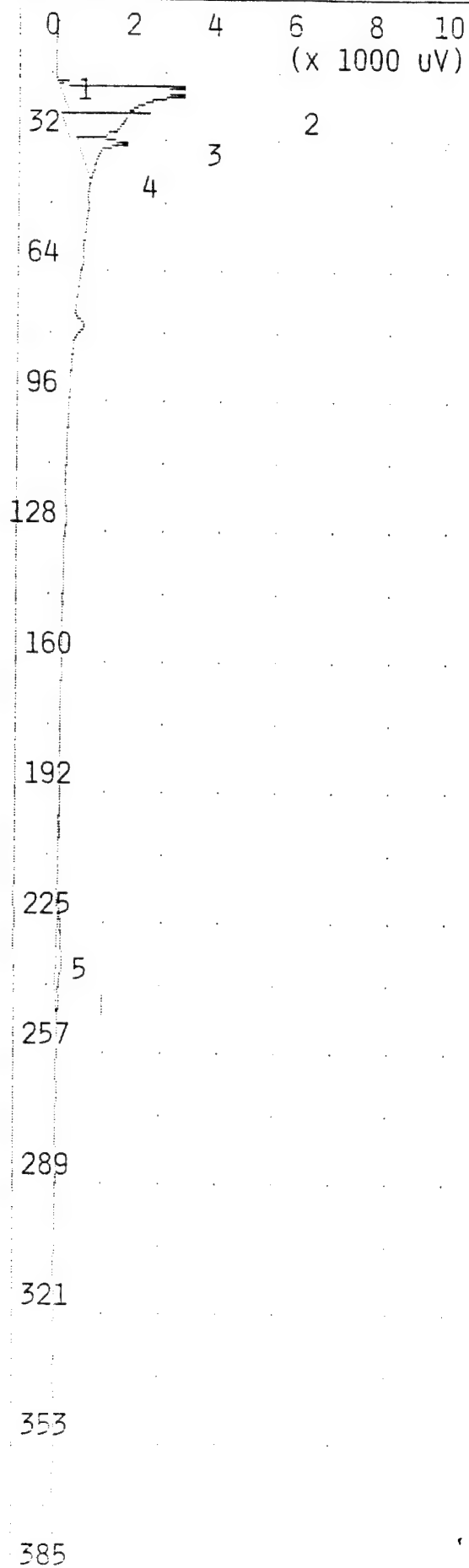
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 12    | ML/MIN |
| B/F FLOW       | 12    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 31    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 450.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.495 MVS | 15.6  |
| 2  | UNKNOWN       | 10.23 MVS | 16.7  |
| 3  | UNKNOWN       | 29.74 MVS | 18.4  |
| 4  | UNKNOWN       | 0.239 MVS | 25.3  |
| 5  | UNKNOWN       | 14.52 MVS | 30.7  |
| 6  | UNKNOWN       | 1.914 MVS | 75.8  |
| 7  | UNKNOWN       | 1.134 MVS | 229.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
TS-001BH 13.5-15.0



TIME PRINTED: NOV 10,94 18:34

SAMPLE TIME: NOV 10,94 18:27

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 12 ML/MIN  
B/F FLOW 12 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000

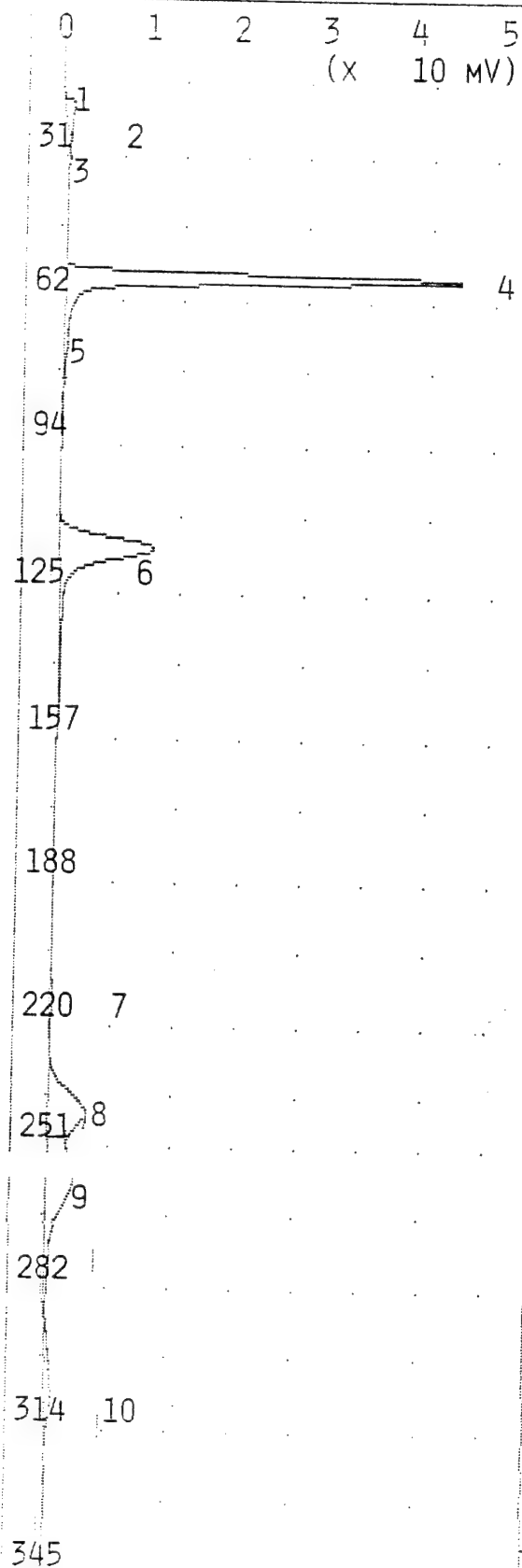
ANALYSIS TIME 450.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.218 MVS | 15.8  |
| 2  | UNKNOWN       | 4.385 MVS | 17.0  |
| 3  | UNKNOWN       | 19.08 MVS | 18.6  |
| 4  | UNKNOWN       | 4.730 MVS | 30.8  |
| 5  | UNKNOWN       | 1.517 MVS | 229.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 Nov 1994  
TS-001BH 8.5-10.0



TIME PRINTED: NOV 11,94 07:58

SAMPLE TIME: NOV 11,94 07:51

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 24 C

MAX GAIN 1000

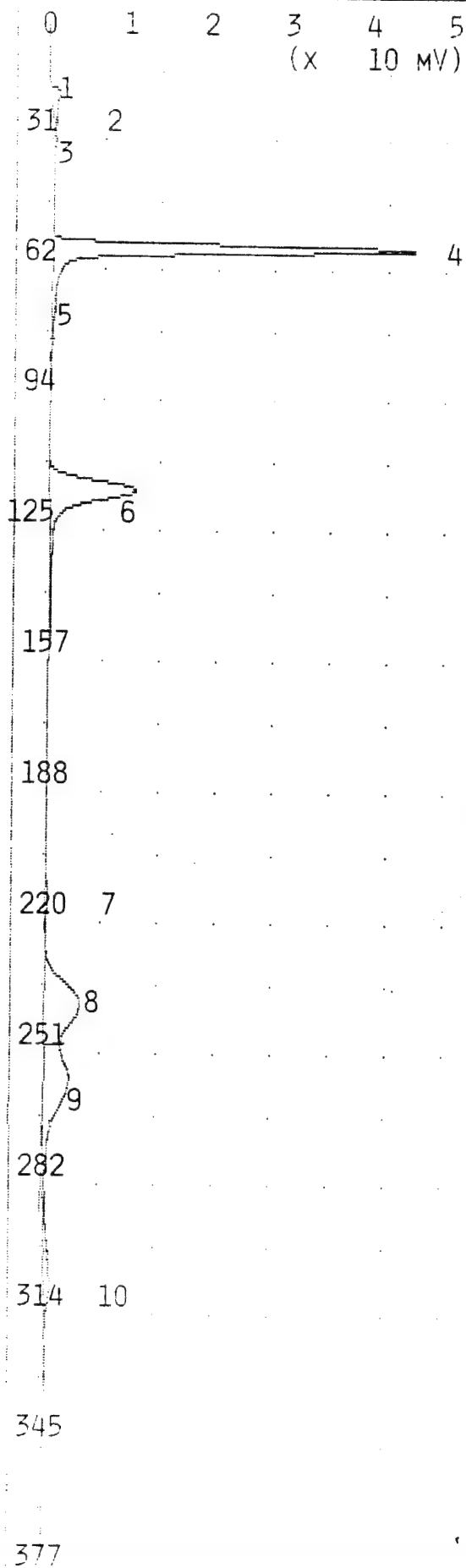
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.060 MVS | 15.8  |
| 2  | UNKNOWN       | 7.730 MVS | 17.6  |
| 3  | UNKNOWN       | 0.063 MVS | 23.0  |
| 4  | UNKNOWN       | 121.3 MVS | 55.7  |
| 5  | UNKNOWN       | 0.394 MVS | 70.2  |
| 6  | UNKNOWN       | 69.26 MVS | 114.0 |
| 7  | UNKNOWN       | 1.249 MVS | 212.2 |
| 8  | UNKNOWN       | 55.80 MVS | 237.8 |
| 9  | UNKNOWN       | 47.36 MVS | 256.0 |
| 10 | UNKNOWN       | 14.32 MVS | 303.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 08:07

SAMPLE TIME: NOV 11,94 07:51

## METHOD

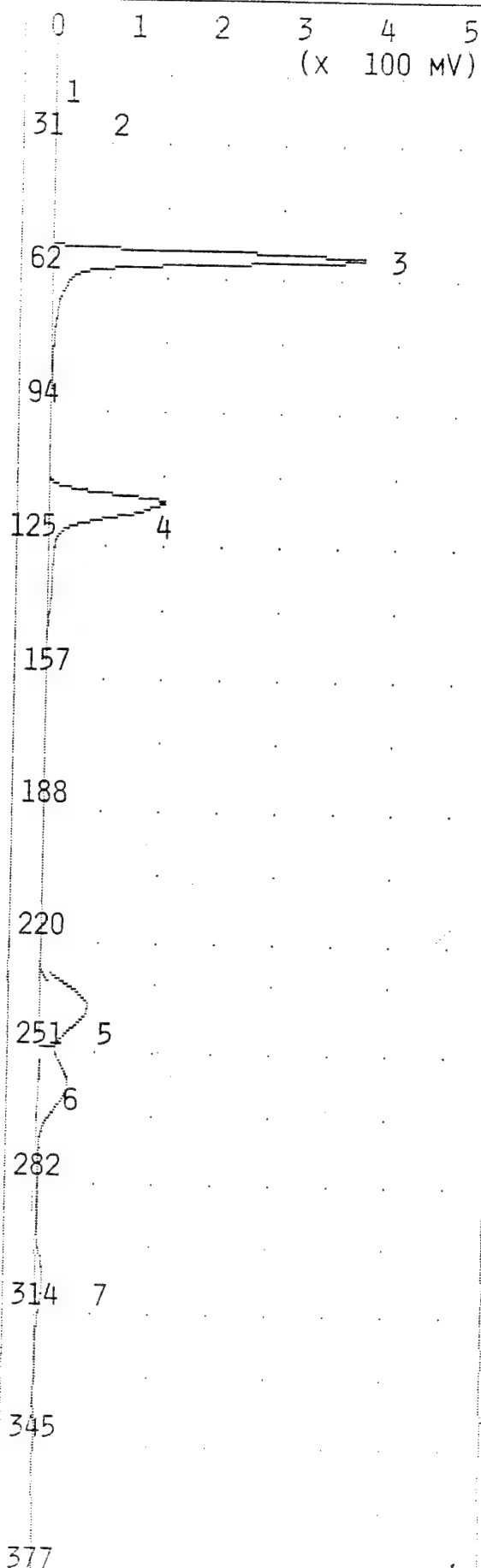
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.060 MVS | 15.8  |
| 2  | UNKNOWN       | 7.730 MVS | 17.6  |
| 3  | UNKNOWN       | 0.063 MVS | 23.0  |
| 4  | BENZENE       | 100.0 PPB | 55.7  |
| 5  | UNKNOWN       | 0.394 MVS | 70.2  |
| 6  | TOLUENE       | 100.0 PPB | 114.0 |
| 7  | UNKNOWN       | 1.249 MVS | 212.2 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 237.8 |
| 9  | MP-XYLENE     | 200.0 PPB | 256.0 |
| 10 | O-XYLENE      | 100.0 PPB | 303.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX



TIME PRINTED: NOV 11,94 08:17

SAMPLE TIME: NOV 11,94 08:10

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 25 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

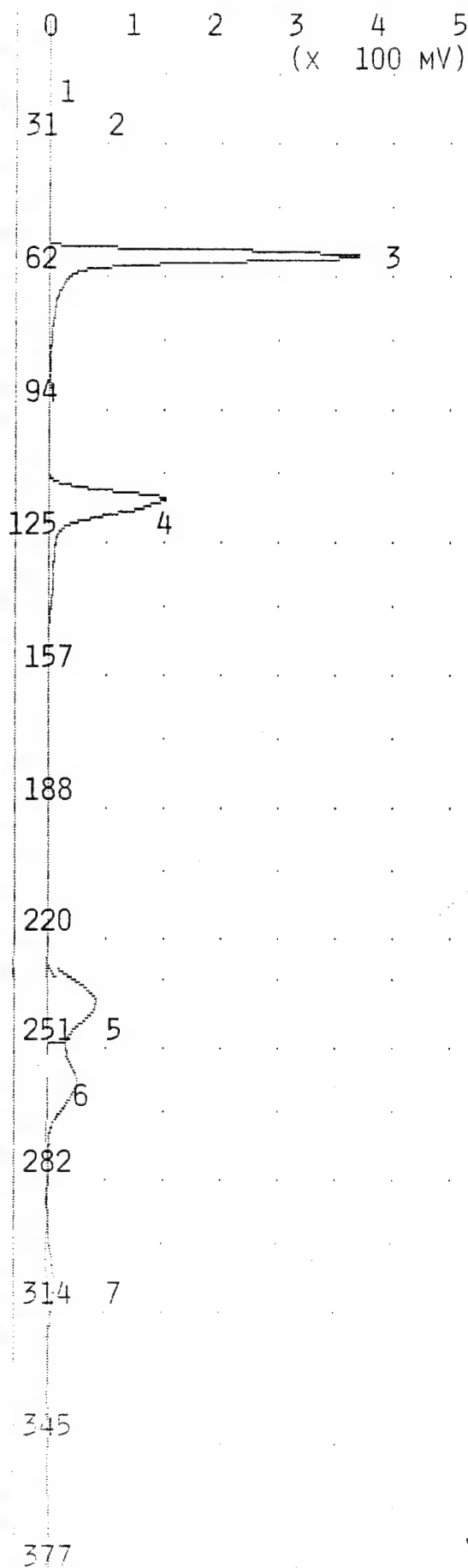
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.039 MVS | 15.7  |
| 2  | UNKNOWN       | 2.908 MVS | 17.9  |
| 3  | BENZENE       | 1.222 PPM | 56.1  |
| 4  | TOLUENE       | 1.448 PPM | 113.4 |
| 5  | ETHYLBENZENE  | 1.360 PPM | 238.4 |
| 6  | MP-XYLENE     | 2.179 PPM | 256.8 |
| 7  | O-XYLENE      | 1.378 PPM | 304.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
1 PPM BTEX





TIME PRINTED: NOV 11,94 08:29

SAMPLE TIME: NOV 11,94 08:10

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 26 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

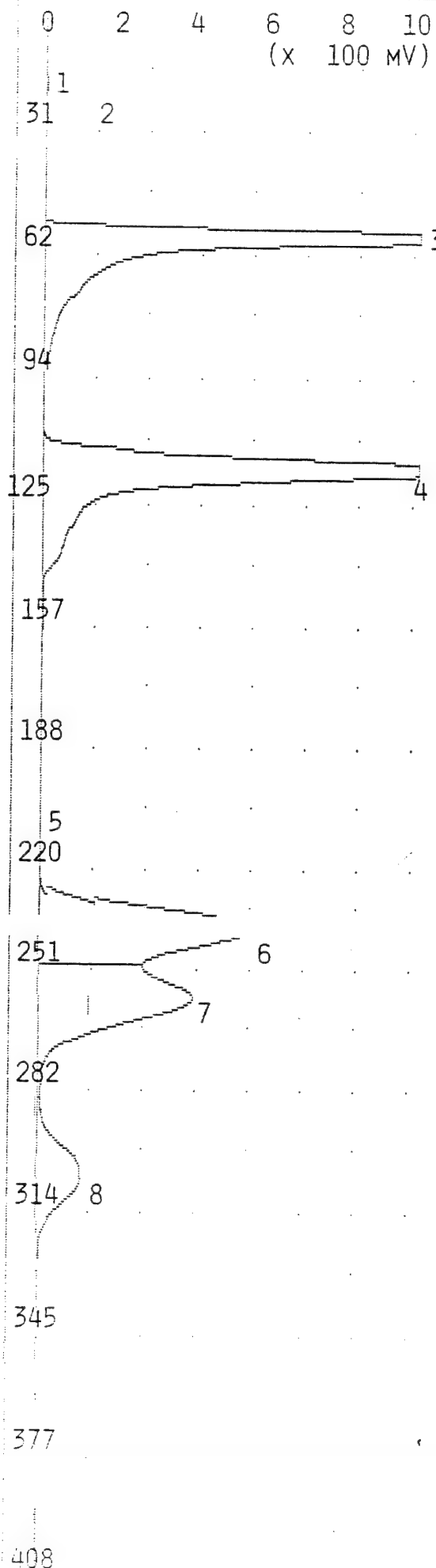
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.039 MVS | 15.7  |
| 2  | UNKNOWN       | 2.908 MVS | 17.9  |
| 3  | BENZENE       | 1.000 PPM | 56.1  |
| 4  | TOLUENE       | 1.000 PPM | 113.4 |
| 5  | ETHYLBENZENE  | 1.000 PPM | 238.4 |
| 6  | MP-XYLENE     | 2.000 PPM | 256.8 |
| 7  | O-XYLENE      | 1.000 PPM | 304.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX

## ANALYSIS #3

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 11,94 08:39

SAMPLE TIME: NOV 11,94 08:32

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.314 MVS | 15.9  |
| 2  | UNKNOWN       | 32.64 MVS | 17.3  |
| 3  | BENZENE       | 6.866 PPM | 56.3  |
| 4  | TOLUENE       | 9.851 PPM | 114.6 |
| 5  | UNKNOWN       | 3.264 MVS | 205.6 |
| 6  | ETHYLBENZENE  | 10.29 PPM | 238.4 |
| 7  | MP-XYLENE     | 24.11 PPM | 256.5 |
| 8  | O-XYLENE      | 10.81 PPM | 301.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
B 10 PPM BTEX

0 2 4 6 8 10  
(x 100 MV)

TIME PRINTED: NOV 11,94 08:45

SAMPLE TIME: NOV 11,94 08:32

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 26 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.314 MVS | 15.9  |
| 2  | UNKNOWN       | 32.64 MVS | 17.3  |
| 3  | BENZENE       | 10.00 PPM | 56.3  |
| 4  | TOLUENE       | 10.00 PPM | 114.6 |
| 5  | UNKNOWN       | 3.264 MVS | 205.6 |
| 6  | ETHYLBENZENE  | 10.00 PPM | 238.4 |
| 7  | MP-XYLENE     | 20.00 PPM | 256.5 |
| 8  | O-XYLENE      | 10.01 PPM | 301.8 |

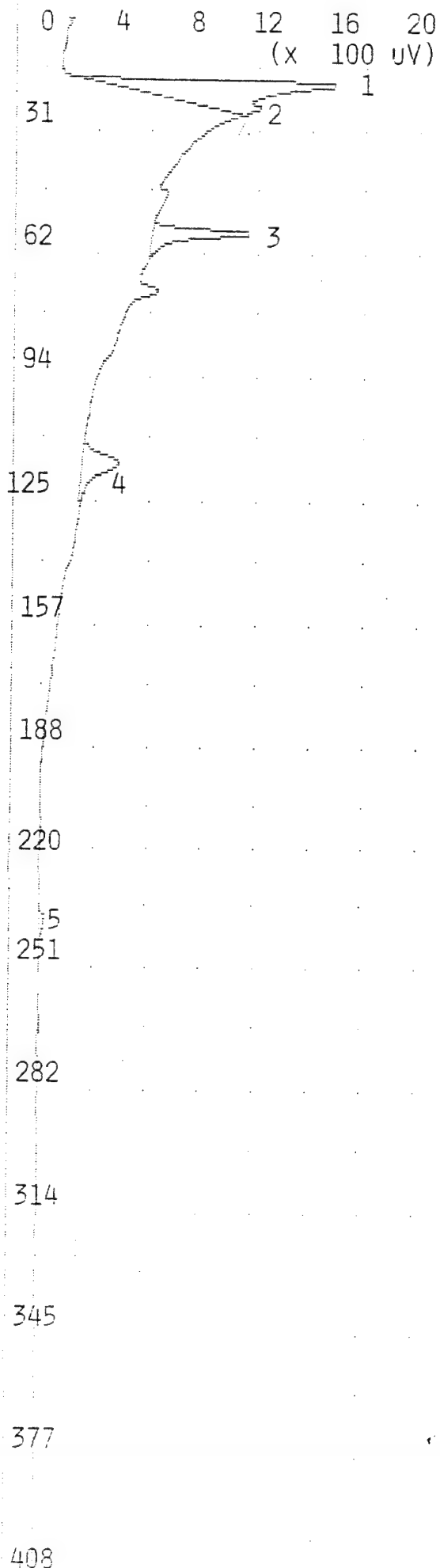
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX

377

408

ANALYSIS #4 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 11,94 08:55

SAMPLE TIME: NOV 11,94 08:48

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

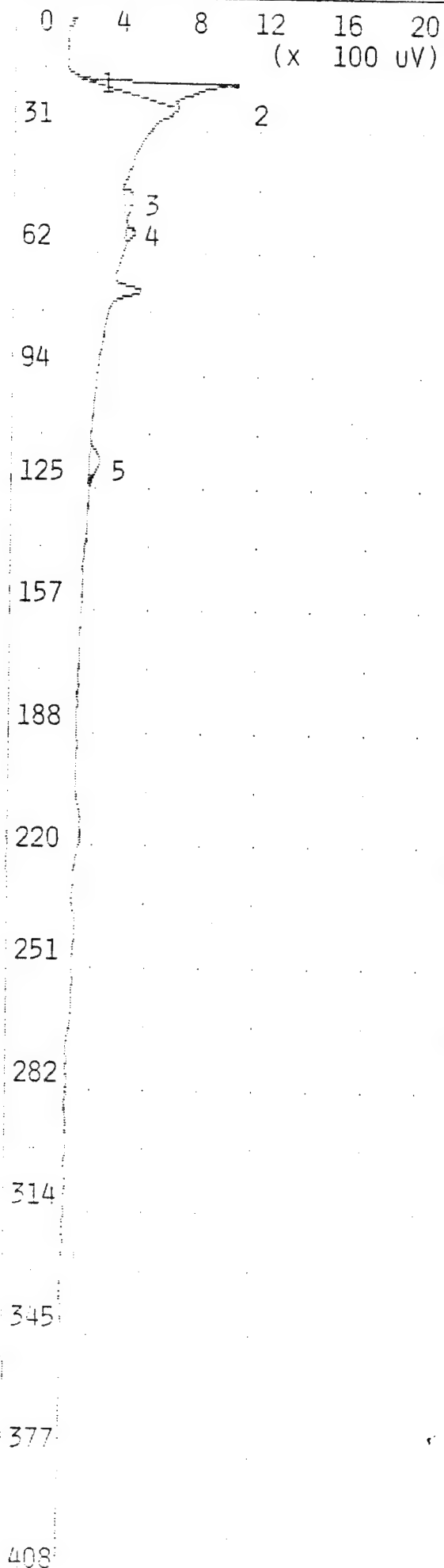
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.332 MVS | 17.4  |
| 2  | UNKNOWN       | 0.072 MVS | 23.4  |
| 3  | BENZENE       | 1.217 PPB | 55.6  |
| 4  | TOLUENE       | 1.693 PPB | 114.0 |
| 5  | ETHYLBENZENE  | 1.163 PPB | 236.2 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS

~~10 PPM BTEX SB~~  
 AIR BLANK



TIME PRINTED: Nov 11,94 09:36

SAMPLE TIME: Nov 11,94 09:28

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 27    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.045 MVS | 15.8  |
| 2  | UNKNOWN       | 2.243 MVS | 17.2  |
| 3  | UNKNOWN       | 0.312 MVS | 48.2  |
| 4  | BENZENE       | 0.085 PPB | 56.0  |
| 5  | TOLUENE       | 0.449 PPB | 113.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-001BH 1.0- 2.5

## ANALYSIS #6

## 10S+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: NOV 11,94 09:46

SAMPLE TIME: NOV 11,94 09:38

## METHOD

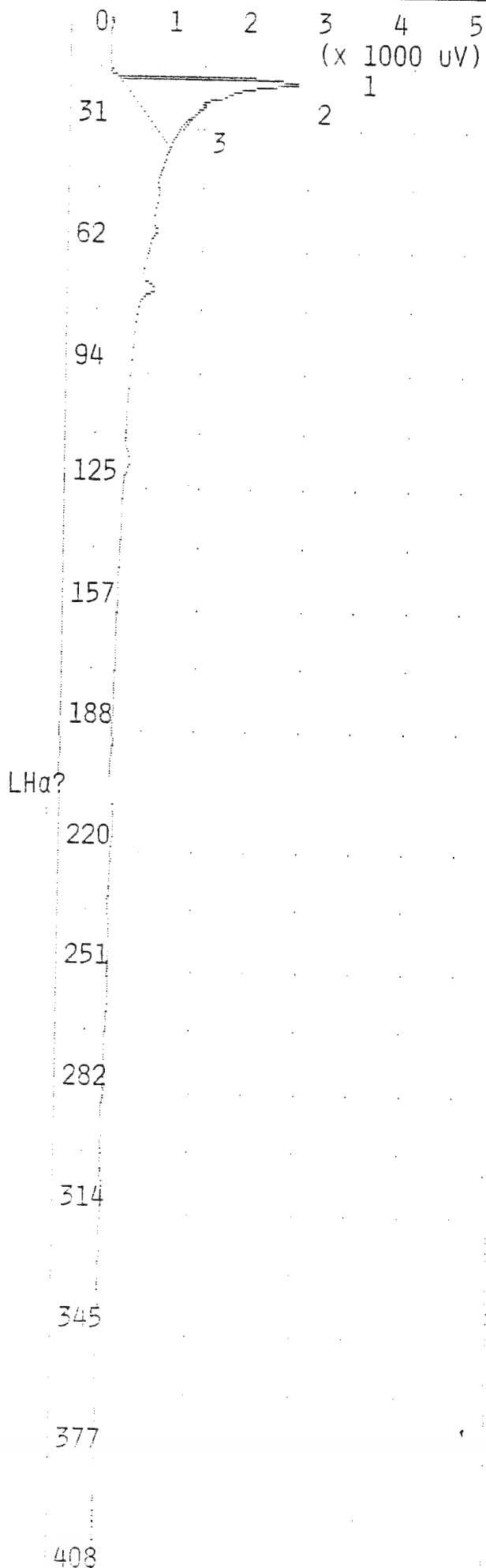
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

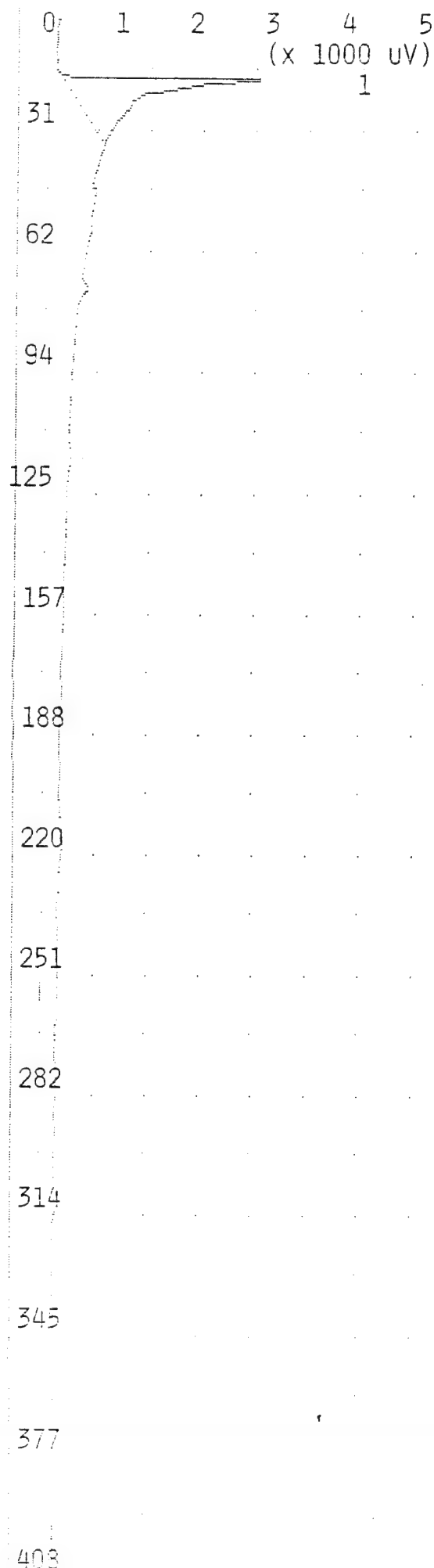
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 2.305 MVS | 16.0 |
| 2  | UNKNOWN       | 14.13 MVS | 17.3 |
| 3  | UNKNOWN       | 0.046 MVS | 23.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-001BH 4.5- 6.0





TIME PRINTED: NOV 11,94 10:26

SAMPLE TIME: NOV 11,94 10:10

## METHOD

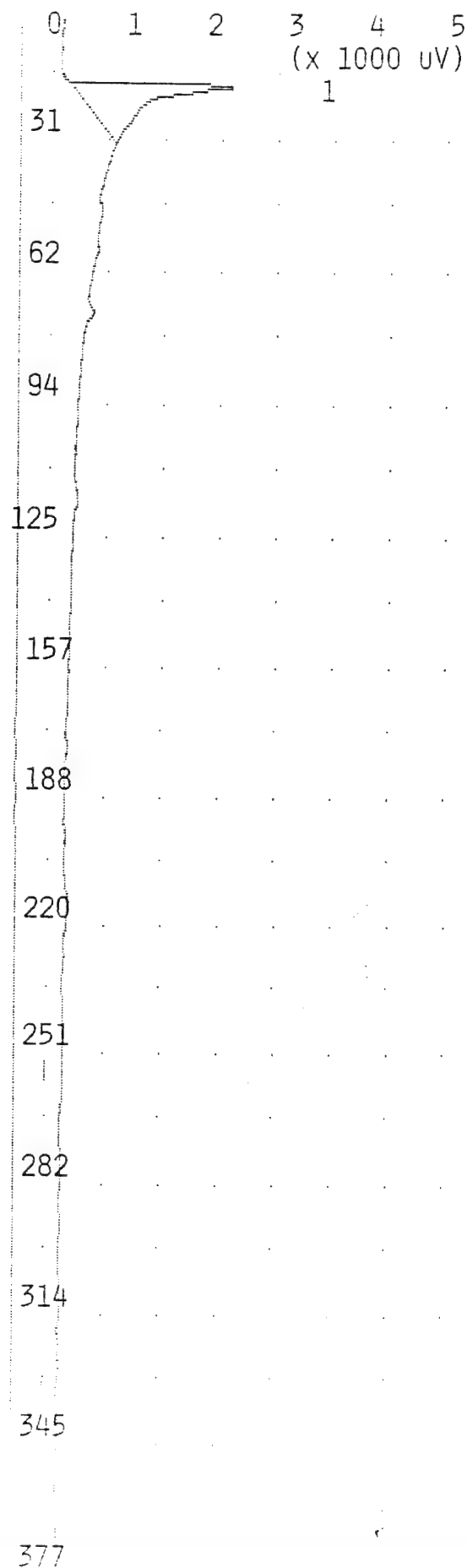
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 13.63 MVS | 15.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-001BH 8.5-10.0



TIME PRINTED: NOV 11,94 10:37

SAMPLE TIME: NOV 11,94 10:29

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

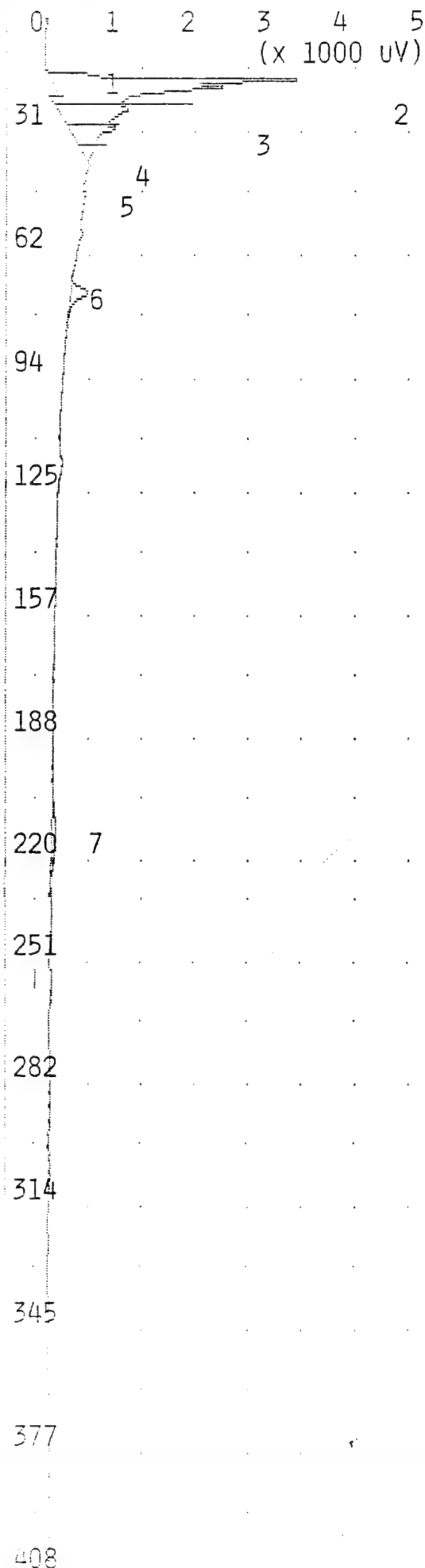
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 10.39 MVS | 16.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-001BH 13.5-15.0





TIME PRINTED: Nov 11,94 10:47

SAMPLE TIME: Nov 11,94 10:40

## METHOD

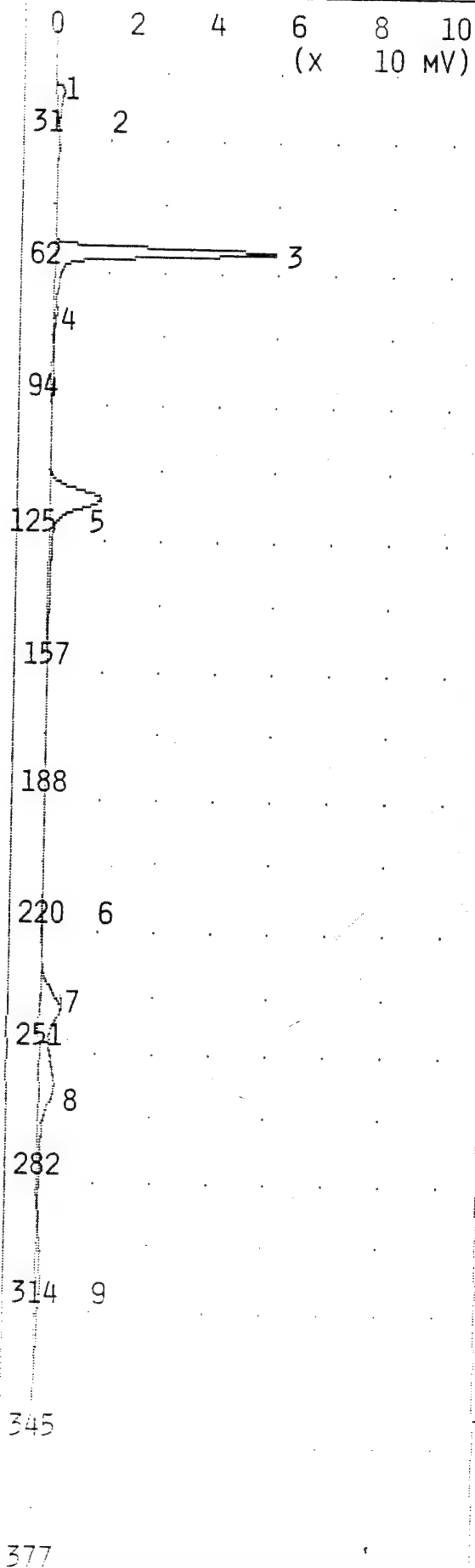
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.392 MVS | 14.8  |
| 2  | UNKNOWN       | 5.291 MVS | 16.0  |
| 3  | UNKNOWN       | 6.393 MVS | 18.0  |
| 4  | UNKNOWN       | 3.247 MVS | 23.6  |
| 5  | UNKNOWN       | 1.276 MVS | 28.6  |
| 6  | UNKNOWN       | 0.717 MVS | 70.4  |
| 7  | UNKNOWN       | 0.678 MVS | 210.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-001BH 18.5-20.0



TIME PRINTED: NOV 11,94 10:57

SAMPLE TIME: NOV 11,94 10:50

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000

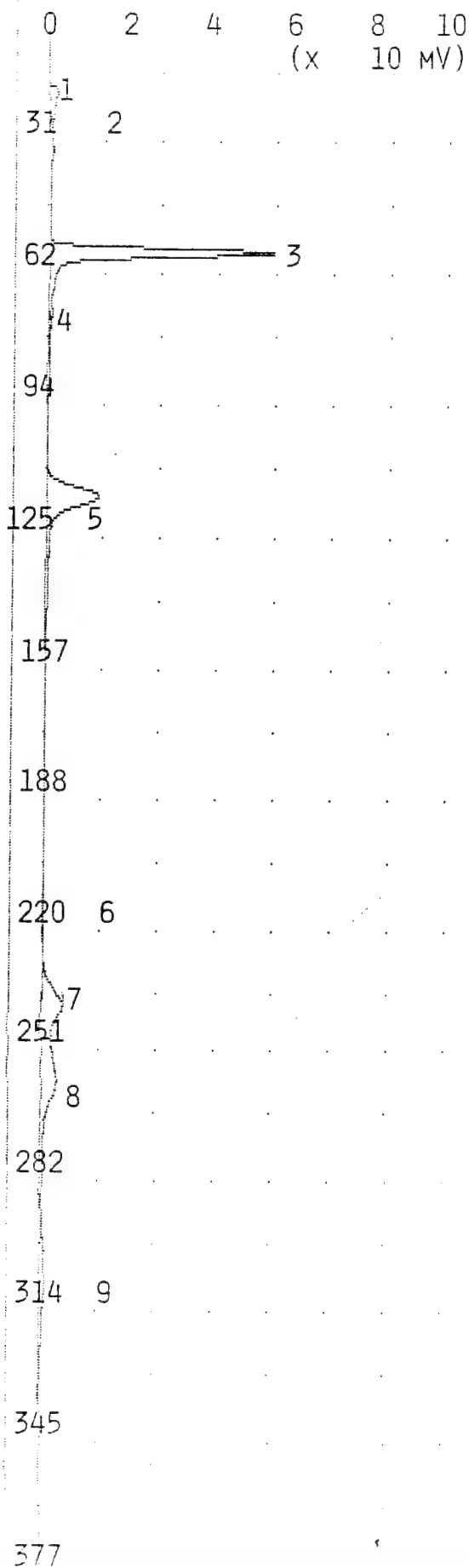
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.305 MVS | 16.4  |
| 2  | UNKNOWN       | 13.40 MVS | 17.4  |
| 3  | BENZENE       | 118.7 PPB | 55.8  |
| 4  | UNKNOWN       | 0.938 MVS | 70.2  |
| 5  | TOLUENE       | 110.8 PPB | 114.0 |
| 6  | UNKNOWN       | 1.649 MVS | 211.2 |
| 7  | ETHYLBENZENE  | 111.5 PPB | 237.4 |
| 8  | MP-XYLENE     | 232.5 PPB | 256.0 |
| 9  | O-XYLENE      | 121.2 PPB | 302.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 11:02

SAMPLE TIME: NOV 11,94 10:50

## METHOD

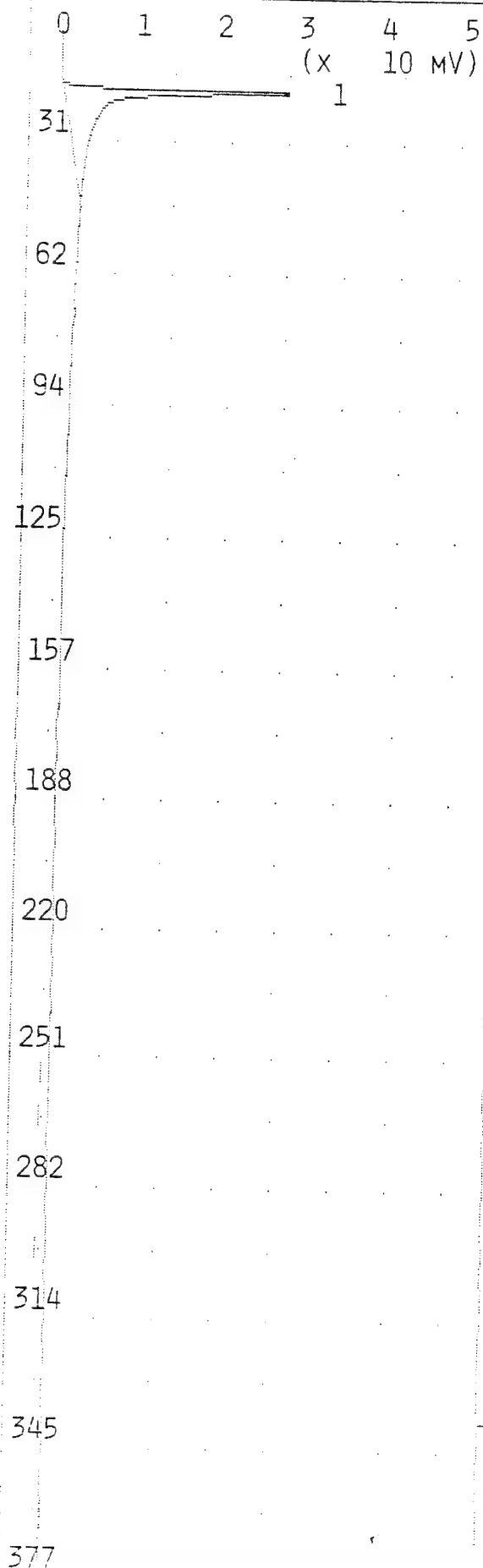
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.305 MVS | 16.4  |
| 2  | UNKNOWN       | 13.40 MVS | 17.4  |
| 3  | BENZENE       | 99.99 PPB | 55.8  |
| 4  | UNKNOWN       | 0.938 MVS | 70.2  |
| 5  | TOLUENE       | 99.99 PPB | 114.0 |
| 6  | UNKNOWN       | 1.649 MVS | 211.2 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 237.4 |
| 8  | MP-XYLENE     | 200.0 PPB | 256.0 |
| 9  | O-XYLENE      | 100.0 PPB | 302.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 11:13

SAMPLE TIME: NOV 11,94 11:05

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

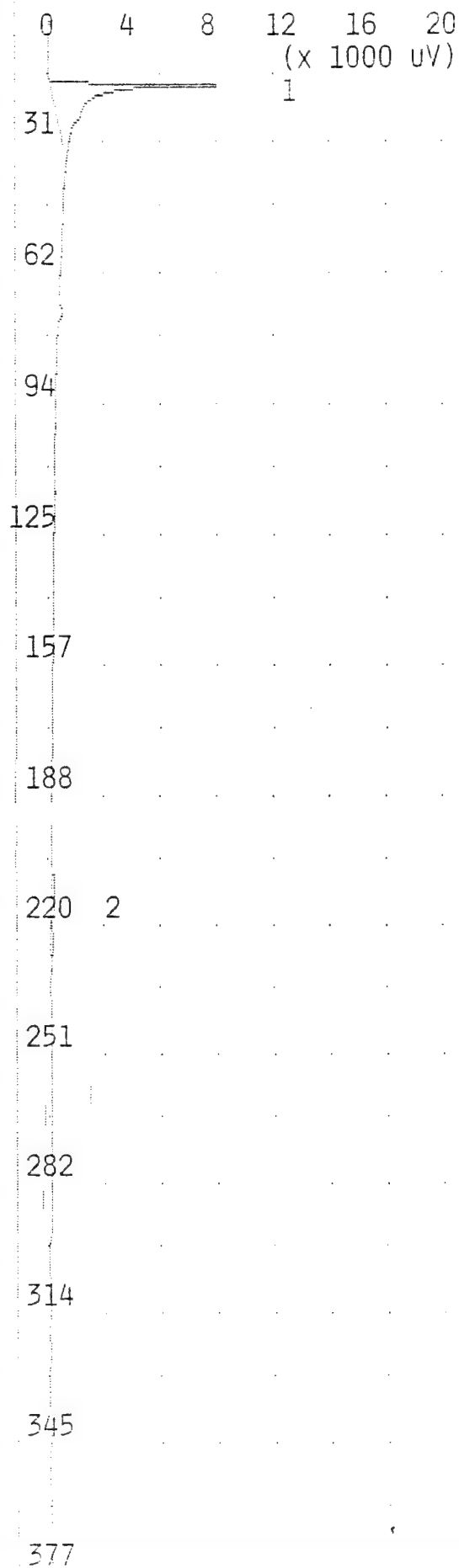
| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 96.15 MVS | 17.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK

## ANALYSIS #12

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 11,94 11:25

SAMPLE TIME: NOV 11,94 11:18

## METHOD

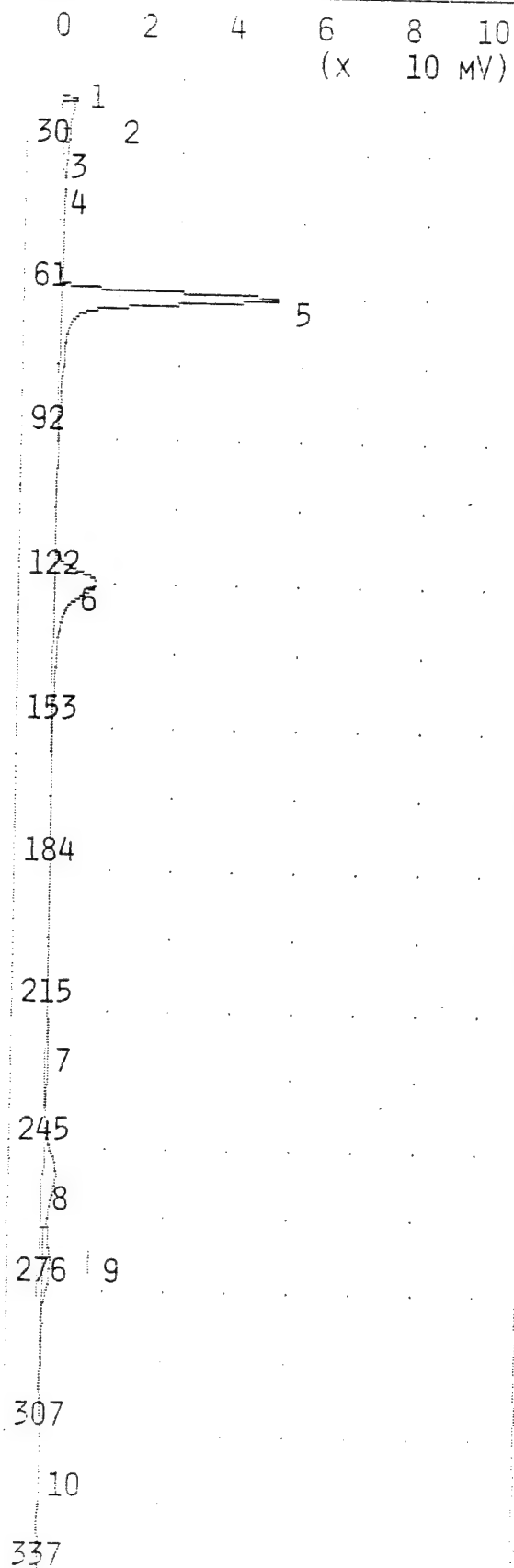
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 26.36 MVS | 15.8  |
| 2  | UNKNOWN       | 1.267 MVS | 209.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-002BH ~~11.0~~ 2.5  
1.0



TIME PRINTED: NOV 18, 94 11:30

SAMPLE TIME: NOV 18, 94 11:23

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

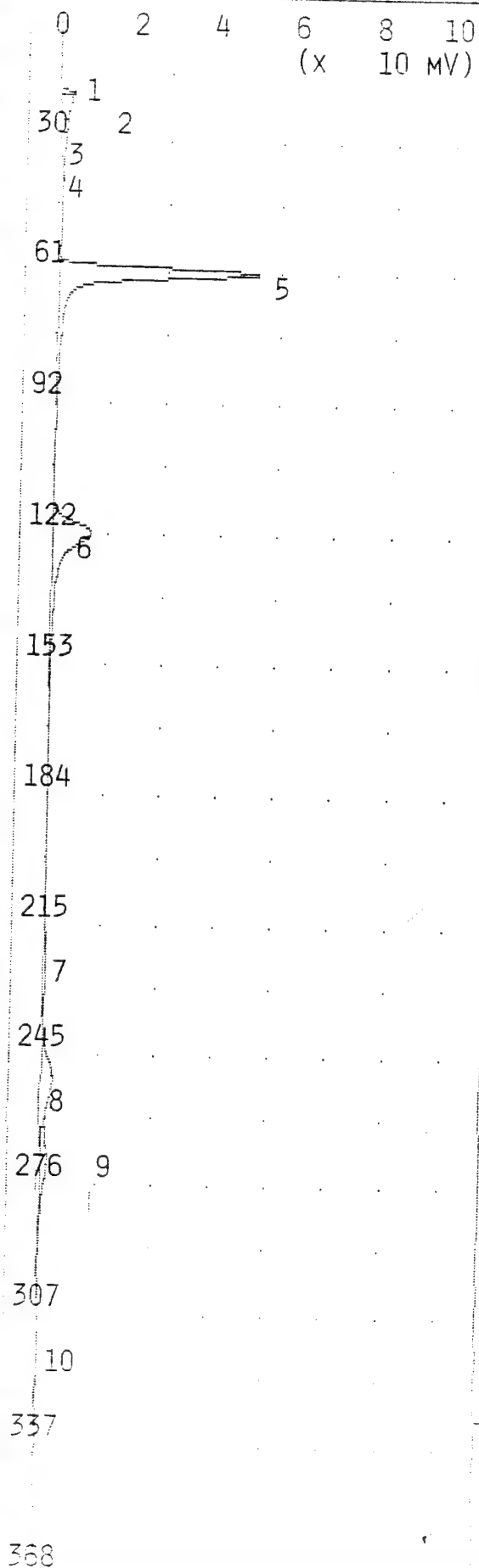
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.379 MVS | 17.2  |
| 2  | UNKNOWN       | 12.76 MVS | 19.0  |
| 3  | UNKNOWN       | 4.067 MVS | 24.9  |
| 4  | UNKNOWN       | 7.004 MVS | 27.5  |
| 5  | BENZENE       | 114.7 PPB | 59.6  |
| 6  | TOLUENE       | 121.8 PPB | 120.6 |
| 7  | UNKNOWN       | 7.696 MVS | 221.8 |
| 8  | ETHYLBENZENE  | 119.4 PPB | 250.1 |
| 9  | MP-XYLENE     | 248.7 PPB | 268.5 |
| 10 | O-XYLENE      | 108.3 PPB | 314.9 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 100 PPB BTEX

## ANALYSIS #10 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 18,94 11:35

SAMPLE TIME: Nov 18,94 11:23

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

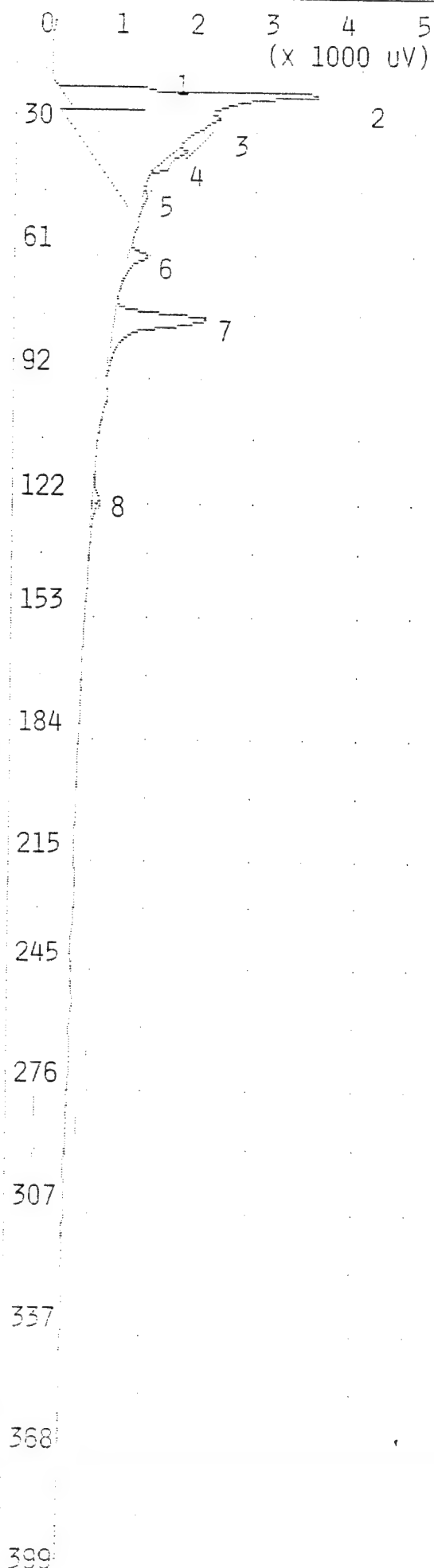
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.379 MVS | 17.2  |
| 2  | UNKNOWN       | 12.76 MVS | 19.0  |
| 3  | UNKNOWN       | 4.067 MVS | 24.9  |
| 4  | UNKNOWN       | 7.004 MVS | 27.5  |
| 5  | BENZENE       | 100.0 PPB | 59.6  |
| 6  | TOLUENE       | 100.0 PPB | 120.6 |
| 7  | UNKNOWN       | 7.696 MVS | 221.8 |
| 8  | ETHYLBENZENE  | 99.99 PPB | 250.1 |
| 9  | MP-XYLENE     | 199.9 PPB | 268.5 |
| 10 | O-XYLENE      | 100.0 PPB | 314.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

# ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 18,94 11:45

SAMPLE TIME: Nov 18,94 11:38

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

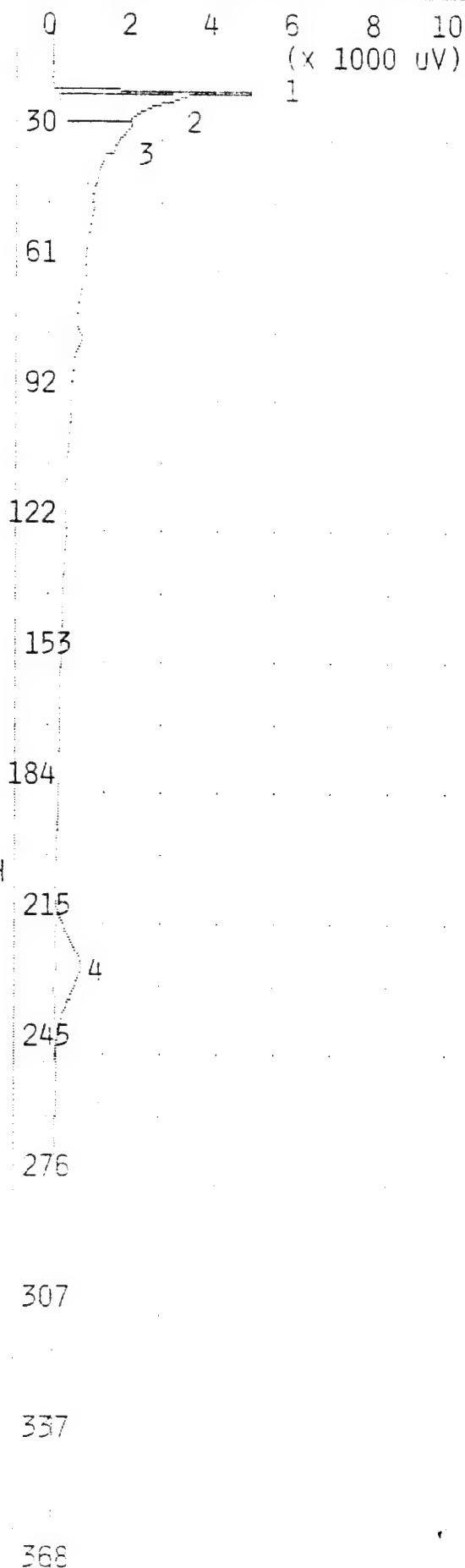
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.127 MVS | 17.5  |
| 2  | UNKNOWN       | 33.77 MVS | 18.9  |
| 3  | UNKNOWN       | 0.500 MVS | 25.0  |
| 4  | UNKNOWN       | 0.733 MVS | 33.6  |
| 5  | UNKNOWN       | 0.162 MVS | 44.8  |
| 6  | BENZENE       | 0.512 PPB | 59.7  |
| 7  | UNKNOWN       | 5.330 MVS | 75.3  |
| 8  | TOLUENE       | 0.778 PPB | 120.4 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 AIR BLANK





TIME PRINTED: NOV 18,94 11:56

SAMPLE TIME: NOV 18,94 11:49

## METHOD

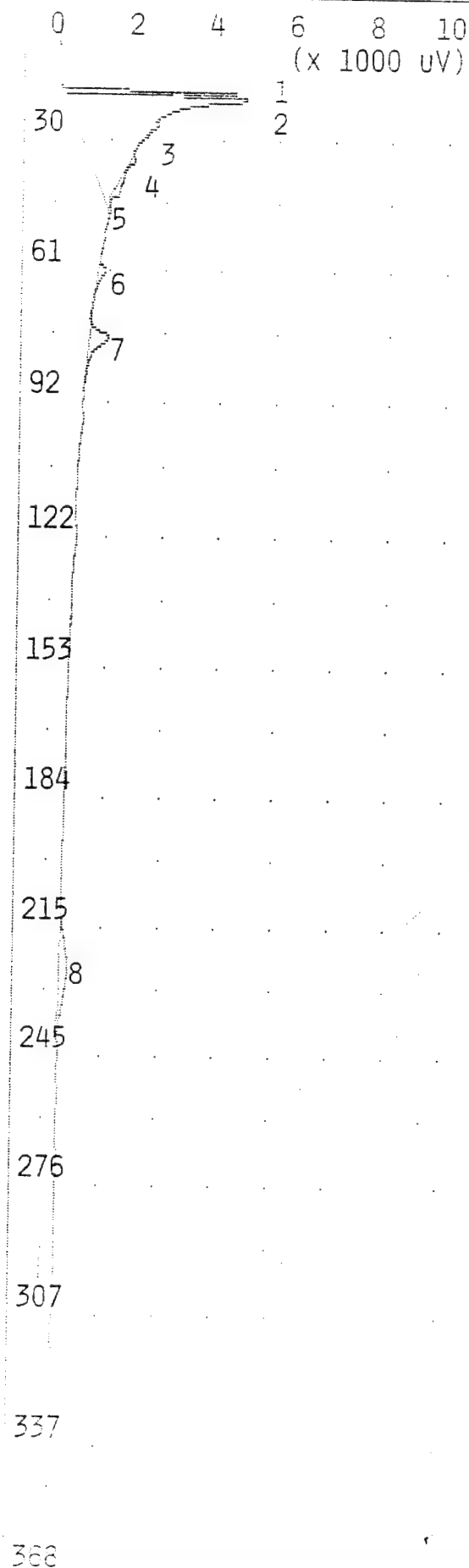
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.021 MVS | 17.3  |
| 2  | UNKNOWN       | 13.23 MVS | 18.9  |
| 3  | UNKNOWN       | 13.55 MVS | 25.1  |
| 4  | UNKNOWN       | 9.601 MVS | 222.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
TS-003BH 1.0-2.0



TIME PRINTED: NOV 18,94 12:06

SAMPLE TIME: NOV 18,94 11:59

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

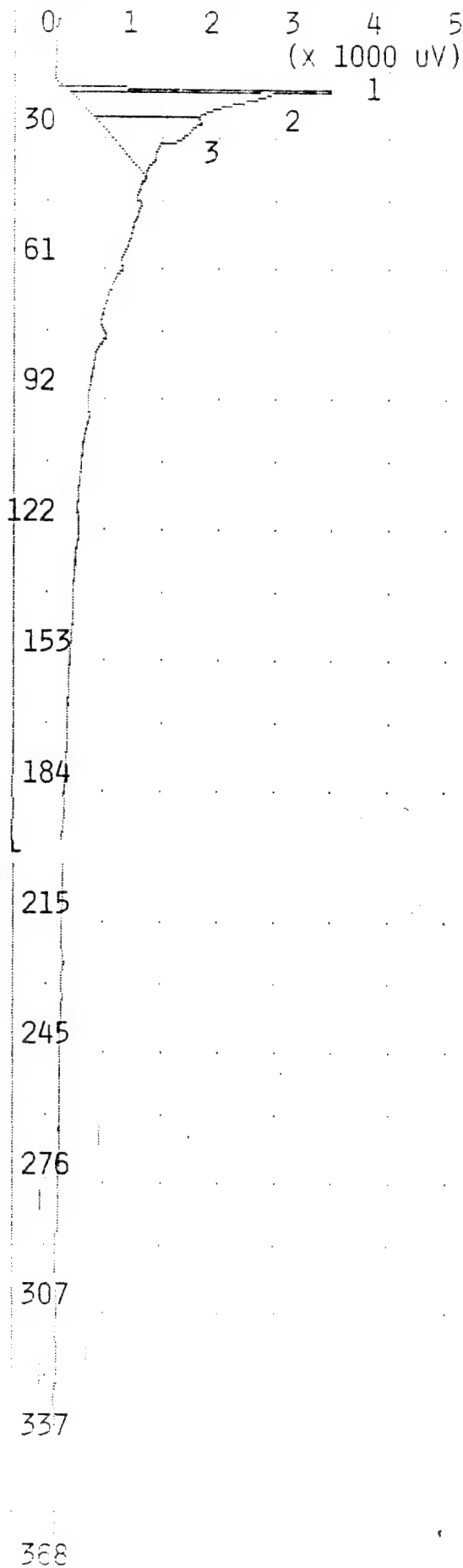
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.740 MVS | 17.3  |
| 2  | UNKNOWN       | 39.12 MVS | 18.9  |
| 3  | UNKNOWN       | 0.243 MVS | 25.0  |
| 4  | UNKNOWN       | 0.924 MVS | 33.5  |
| 5  | UNKNOWN       | 0.130 MVS | 44.2  |
| 6  | BENZENE       | 0.329 PPB | 59.6  |
| 7  | UNKNOWN       | 2.081 MVS | 75.3  |
| 8  | UNKNOWN       | 2.737 MVS | 222.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
MSS-004BH 4.0-5.0

ANALYSIS #14 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 18,94 12:16

SAMPLE TIME: Nov 18,94 12:09

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

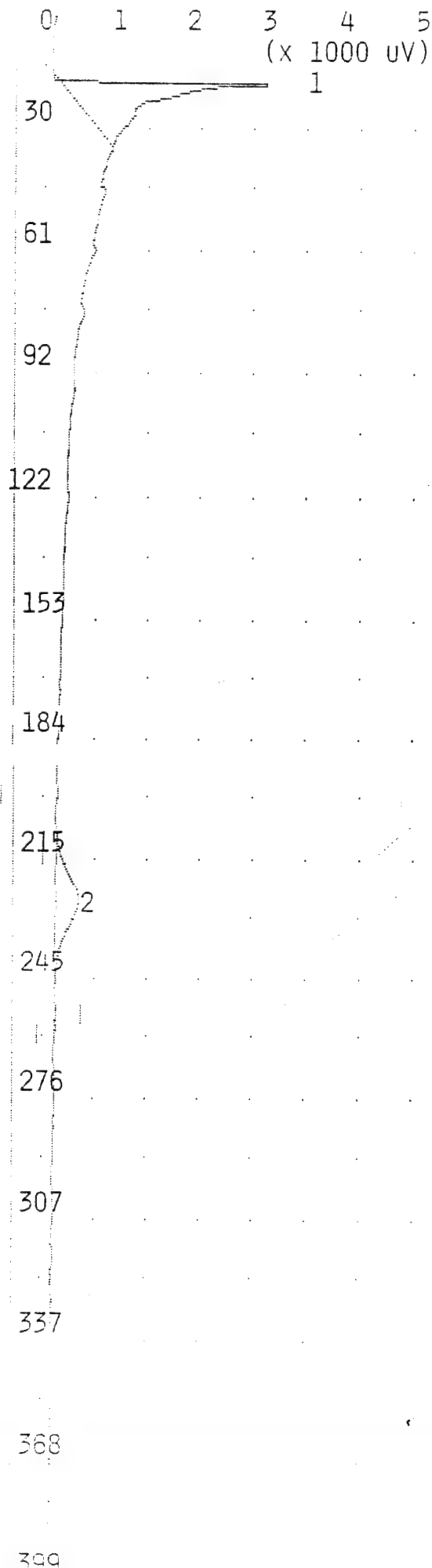
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.996 MVS | 17.3 |
| 2  | UNKNOWN       | 10.60 MVS | 18.8 |
| 3  | UNKNOWN       | 8.289 MVS | 24.9 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 A40-003BH 7.0-8.0

ANALYSIS #15 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 18,94 12:26

SAMPLE TIME: NOV 18,94 12:19

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000

ANALYSIS TIME 430.0 SEC

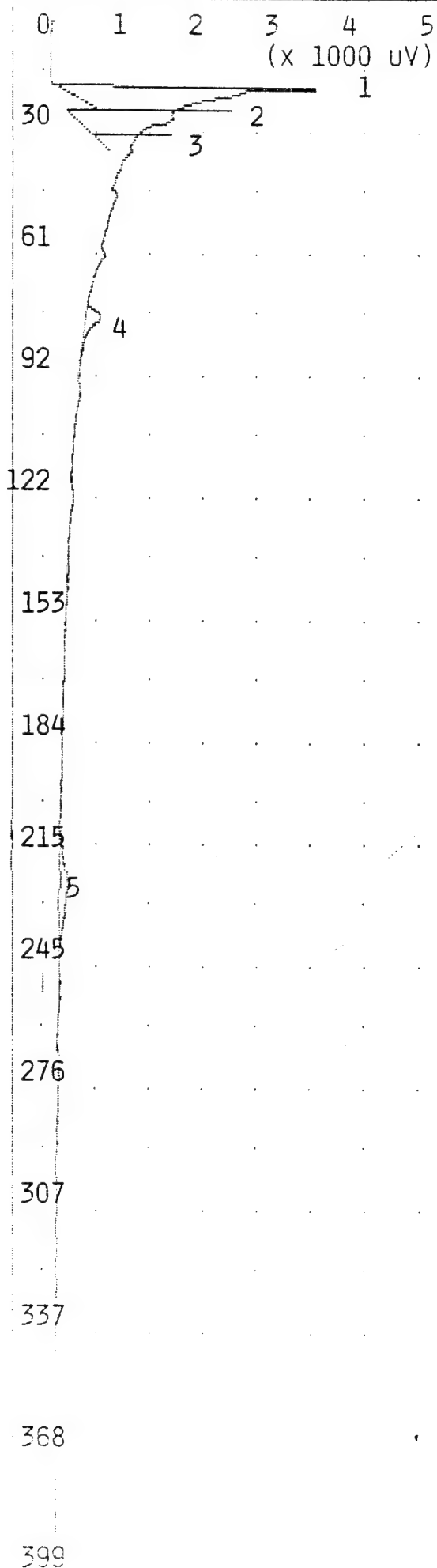
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 13.63 MVS | 17.4  |
| 2  | UNKNOWN       | 4.748 MVS | 224.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 A40-002BH 8.5-9.5

## ANALYSIS #16 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 18,94 12:36

SAMPLE TIME: NOV 18,94 12:29

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

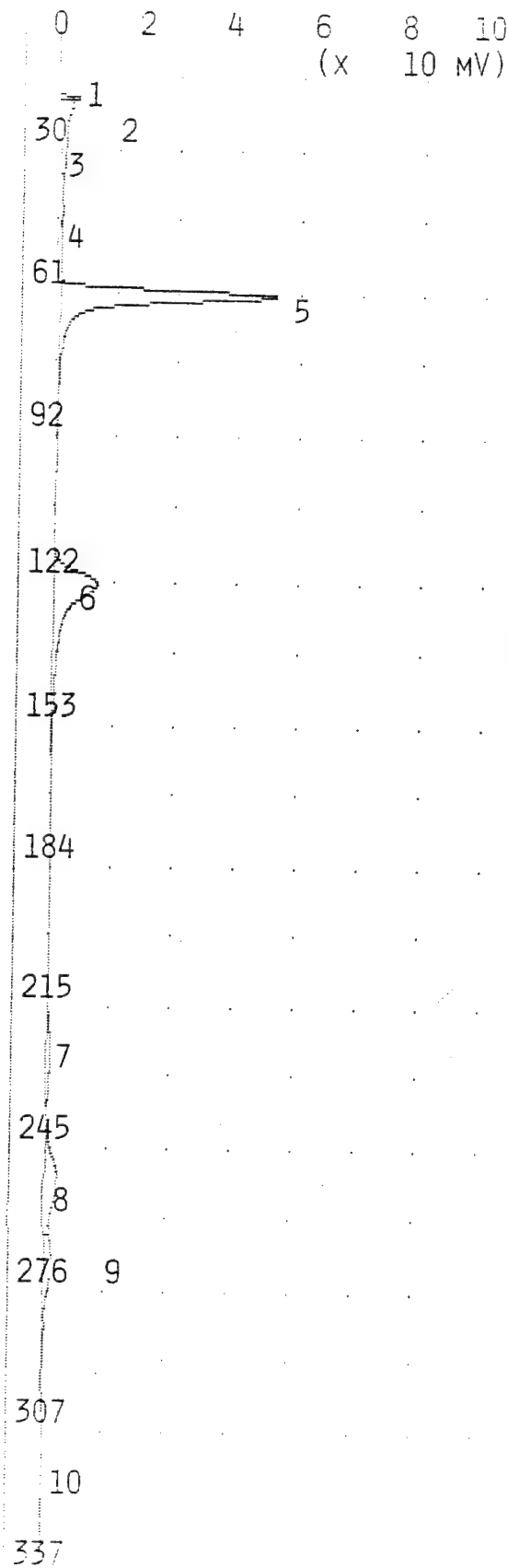
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.041 MVS | 17.4  |
| 2  | UNKNOWN       | 9.462 MVS | 18.9  |
| 3  | UNKNOWN       | 4.094 MVS | 24.9  |
| 4  | UNKNOWN       | 0.867 MVS | 75.4  |
| 5  | UNKNOWN       | 1.483 MVS | 224.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A40-003BH 4.0-5.0



TIME PRINTED: NOV 18,94 12:46

SAMPLE TIME: NOV 18,94 12:39

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.523 MVS | 17.3  |
| 2  | UNKNOWN       | 28.05 MVS | 19.0  |
| 3  | UNKNOWN       | 0.913 MVS | 25.0  |
| 4  | UNKNOWN       | 0.024 MVS | 44.0  |
| 5  | BENZENE       | 99.40 PPB | 59.8  |
| 6  | TOLUENE       | 106.9 PPB | 121.3 |
| 7  | UNKNOWN       | 11.00 MVS | 223.4 |
| 8  | ETHYLBENZENE  | 103.8 PPB | 251.2 |
| 9  | MP-XYLENE     | 207.6 PPB | 269.6 |
| 10 | O-XYLENE      | 94.91 PPB | 314.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

0 1 2 3 4 5  
(x 1000 uV)

TIME PRINTED: NOV 18,94 12:57

SAMPLE TIME: NOV 18,94 12:50

## METHOD

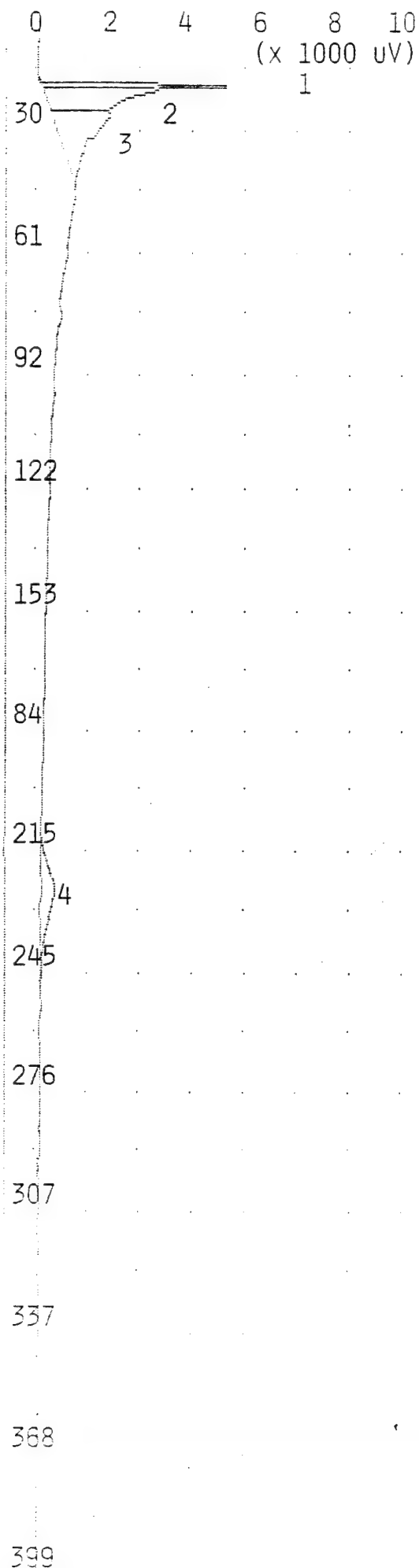
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.381 MVS | 17.6 |
| 2  | UNKNOWN       | 23.31 MVS | 19.0 |
| 3  | UNKNOWN       | 0.833 MVS | 25.0 |
| 4  | UNKNOWN       | 0.129 MVS | 33.6 |
| 5  | BENZENE       | 0.322 PPB | 59.9 |
| 6  | UNKNOWN       | 4.260 MVS | 75.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK



TIME PRINTED: NOV 18,94 13:07

SAMPLE TIME: NOV 18,94 13:00

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

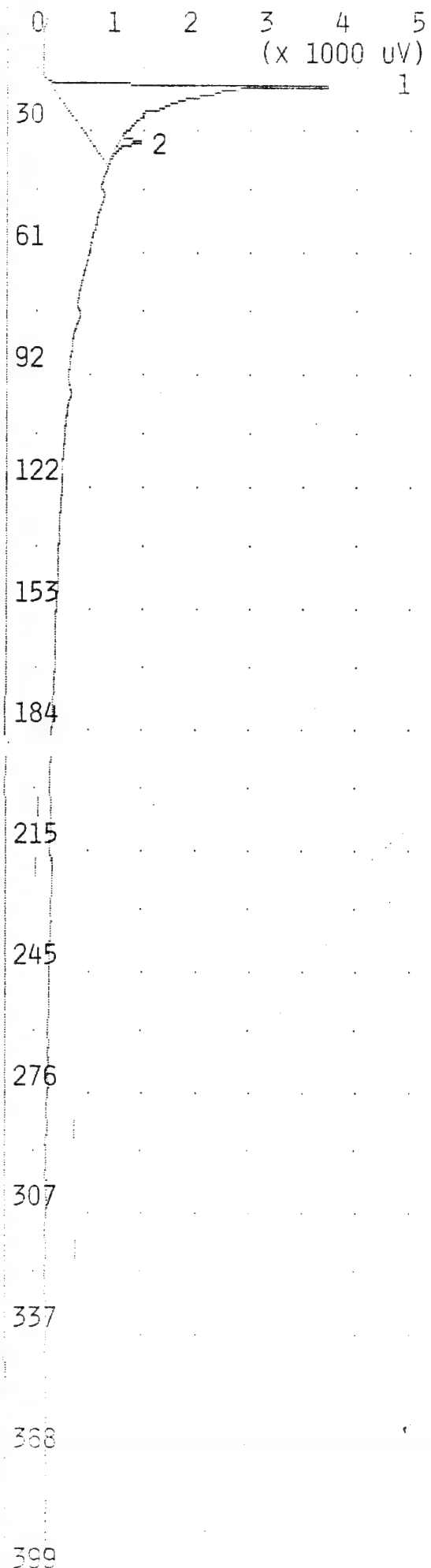
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.825 MVS | 17.1  |
| 2  | UNKNOWN       | 12.50 MVS | 18.7  |
| 3  | UNKNOWN       | 13.00 MVS | 25.1  |
| 4  | UNKNOWN       | 5.461 MVS | 223.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
TS-003BH 4.5-5.5



## ANALYSIS #20 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 18,94 13:30

SAMPLE TIME: NOV 18,94 13:23

## METHOD

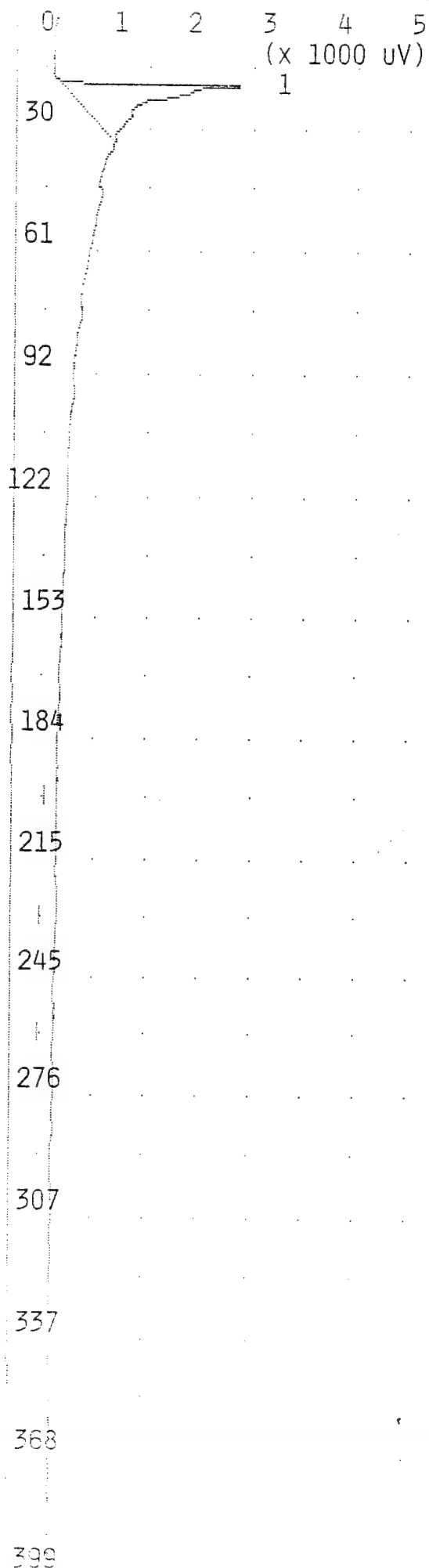
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 20.33 MVS | 17.3 |
| 2  | UNKNOWN       | 0.456 MVS | 31.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-001PZ 10ML WATER



TIME PRINTED: NOV 18,94 13:40

SAMPLE TIME: NOV 18,94 13:33

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

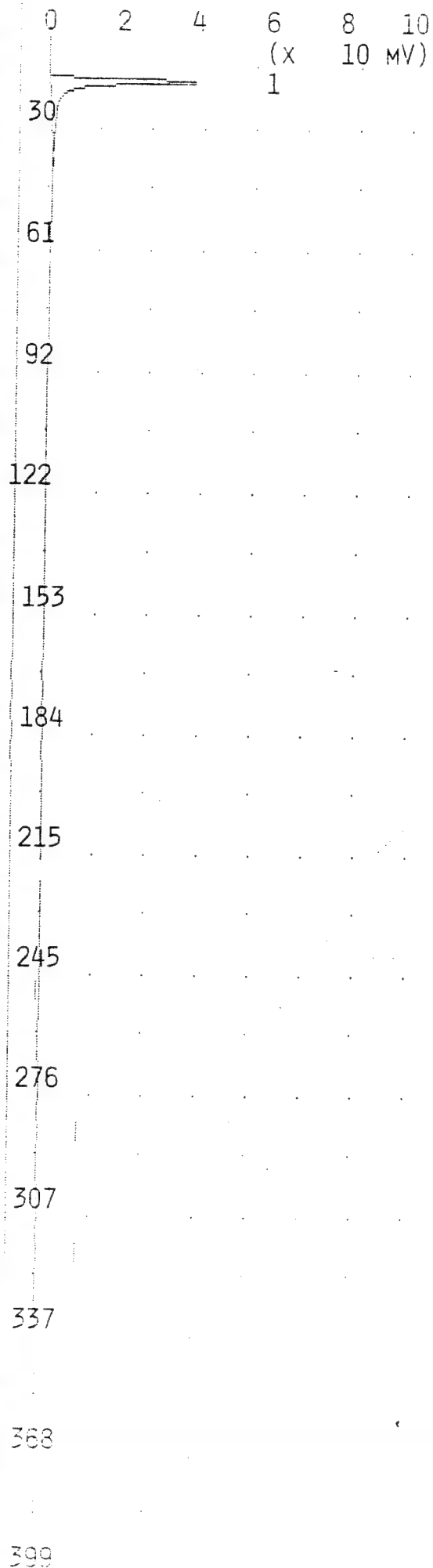
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 11.72 MVS | 17.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
CB-002PZ 10ML WATER



TIME PRINTED: Nov 18,94 14:35

SAMPLE TIME: Nov 18,94 14:28

## METHOD

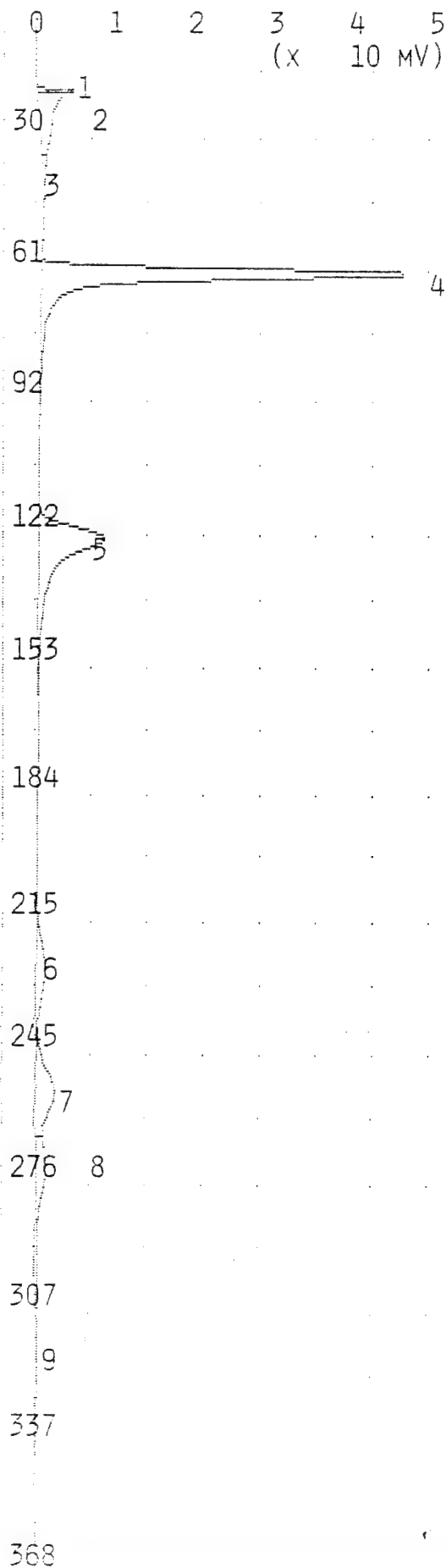
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 98.06 MVS | 16.6 |

## NOTES

JOE BYRD, JR.  
COGS BAY ANGTS  
CB-004PZ 10ML WATER



TIME PRINTED: NOV 18,94 14:50

SAMPLE TIME: NOV 18,94 14:43

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.246 MVS | 17.4  |
| 2  | UNKNOWN       | 22.92 MVS | 18.9  |
| 3  | UNKNOWN       | 3.174 MVS | 33.6  |
| 4  | BENZENE       | 90.75 PPB | 60.0  |
| 5  | TOLUENE       | 92.88 PPB | 121.7 |
| 6  | UNKNOWN       | 15.97 MVS | 223.8 |
| 7  | ETHYLBENZENE  | 82.88 PPB | 252.2 |
| 8  | MP-XYLENE     | 152.8 PPB | 270.6 |
| 9  | O-XYLENE      | 77.79 PPB | 316.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

0 1 2 3 4 5  
(x 10 mV)

TIME PRINTED: NOV 18,94 14:55

SAMPLE TIME: NOV 18,94 14:43

## METHOD

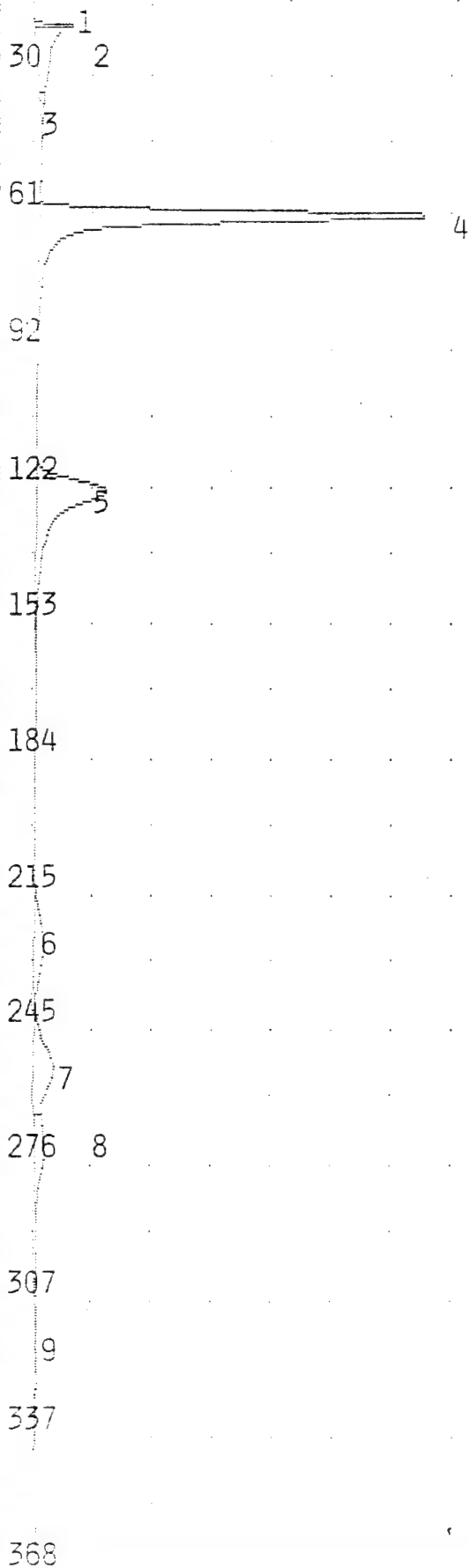
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

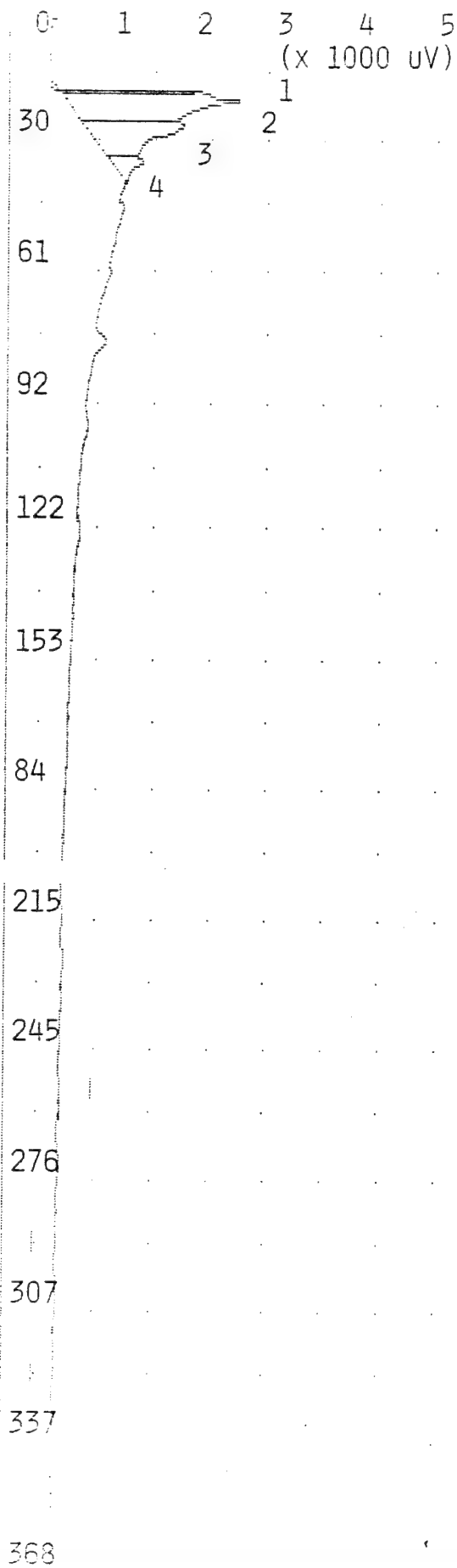
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.246 MVS | 17.4  |
| 2  | UNKNOWN       | 22.92 MVS | 18.9  |
| 3  | UNKNOWN       | 3.174 MVS | 33.6  |
| 4  | BENZENE       | 100.0 PPB | 60.0  |
| 5  | TOLUENE       | 100.0 PPB | 121.7 |
| 6  | UNKNOWN       | 15.97 MVS | 223.8 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 252.2 |
| 8  | MP-XYLENE     | 200.0 PPB | 270.6 |
| 9  | O-XYLENE      | 100.0 PPB | 316.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX





TIME PRINTED: Nov 18,94 15:05

SAMPLE TIME: Nov 18,94 14:58

## METHOD

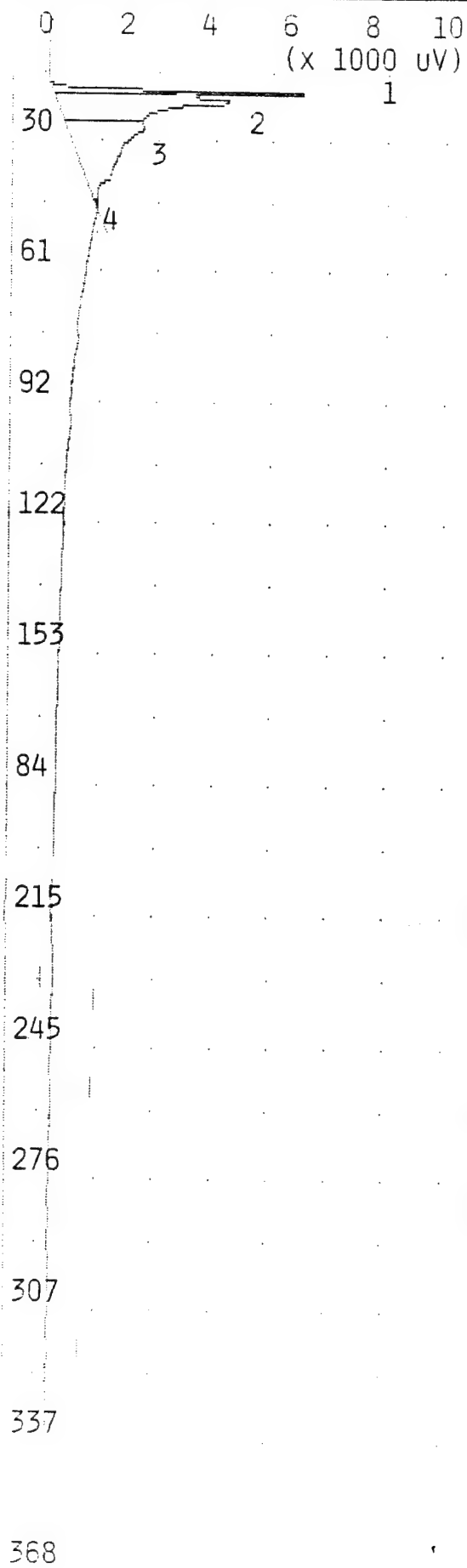
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 2.352 MVS | 17.5 |
| 2  | UNKNOWN       | 9.671 MVS | 19.1 |
| 3  | UNKNOWN       | 6.982 MVS | 25.2 |
| 4  | UNKNOWN       | 1.270 MVS | 34.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK



TIME PRINTED: NOV 18,94 16:32

SAMPLE TIME: NOV 18,94 16:25

## METHOD

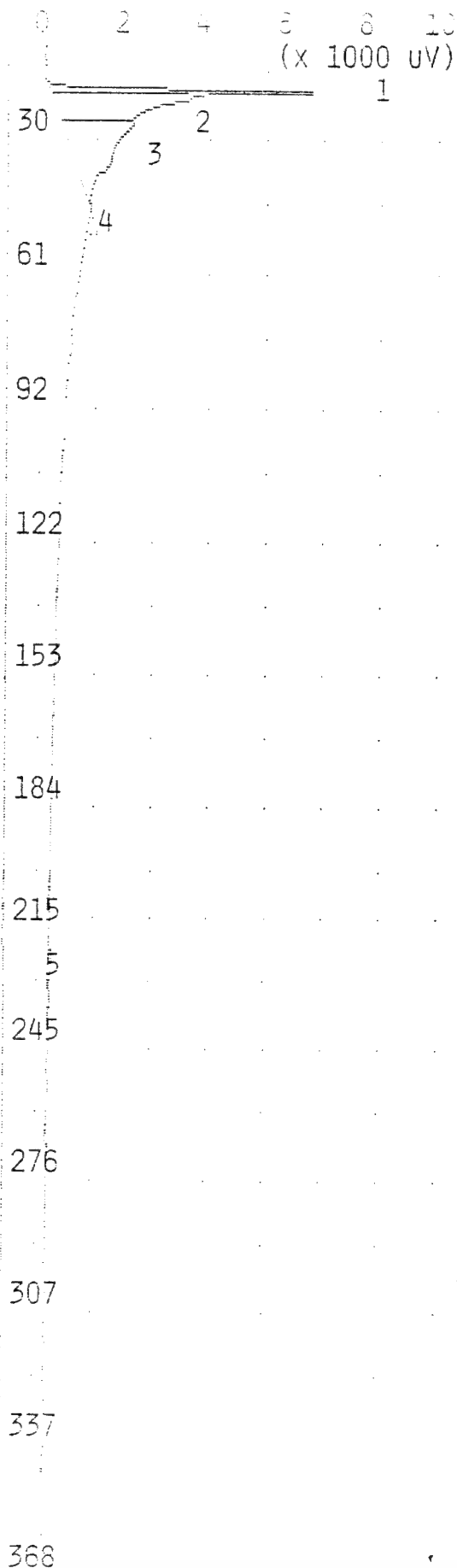
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 7.763 MVS | 17.3 |
| 2  | UNKNOWN       | 17.83 MVS | 19.8 |
| 3  | UNKNOWN       | 17.78 MVS | 26.1 |
| 4  | UNKNOWN       | 0.117 MVS | 43.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
CB-003PZ 10ML WATER



TIME PRINTED: NOV 18,94 17:12

SAMPLE TIME: NOV 18,94 17:05

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.853 MVS | 17.2  |
| 2  | UNKNOWN       | 15.13 MVS | 18.9  |
| 3  | UNKNOWN       | 16.37 MVS | 25.1  |
| 4  | UNKNOWN       | 0.138 MVS | 44.3  |
| 5  | UNKNOWN       | 0.590 MVS | 225.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
CB-005PZ 10ML WATER



0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 18,94 17:23

SAMPLE TIME: NOV 18,94 17:16

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.998 MVS | 17.4  |
| 2  | UNKNOWN       | 49.86 MVS | 19.1  |
| 3  | UNKNOWN       | 65.28 MVS | 24.8  |
| 4  | UNKNOWN       | 58.17 MVS | 33.7  |
| 5  | UNKNOWN       | 62.29 MVS | 44.0  |
| 6  | BENZENE       | 149.7 PPB | 60.1  |
| 7  | TOLUENE       | 101.3 PPB | 121.8 |
| 8  | UNKNOWN       | 26.73 MVS | 224.2 |
| 9  | ETHYLBENZENE  | 69.08 PPB | 252.8 |
| 10 | MP-XYLENE     | 115.7 PPB | 270.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

# ANALYSIS #13 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 1000 uV)

TIME PRINTED: Nov 11,94 11:35

SAMPLE TIME: Nov 11,94 11:28

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 8.090 MVS | 15.8 |
| 2  | UNKNOWN       | 44.20 MVS | 17.1 |
| 3  | UNKNOWN       | 0.162 MVS | 44.9 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 A24-002BH 4.5- 6.0

31

2

62

3

94

125

157

188

LH

220

251

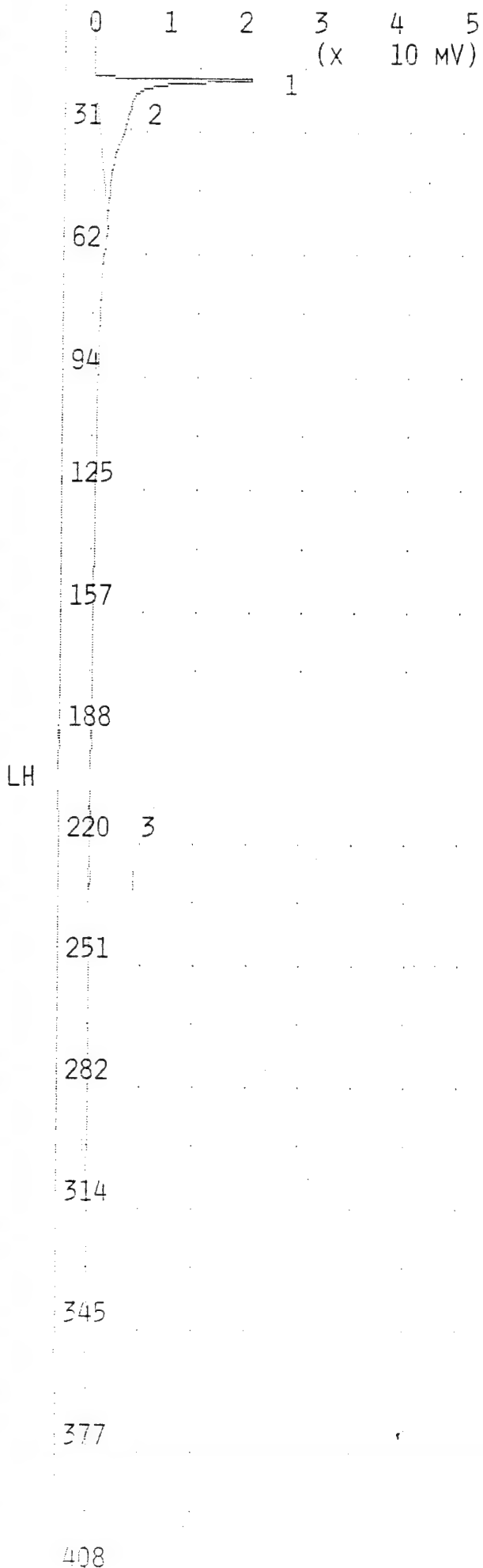
282

314

345

377

408



TIME PRINTED: NOV 11,94 11:45

SAMPLE TIME: NOV 11,94 11:38

## METHOD

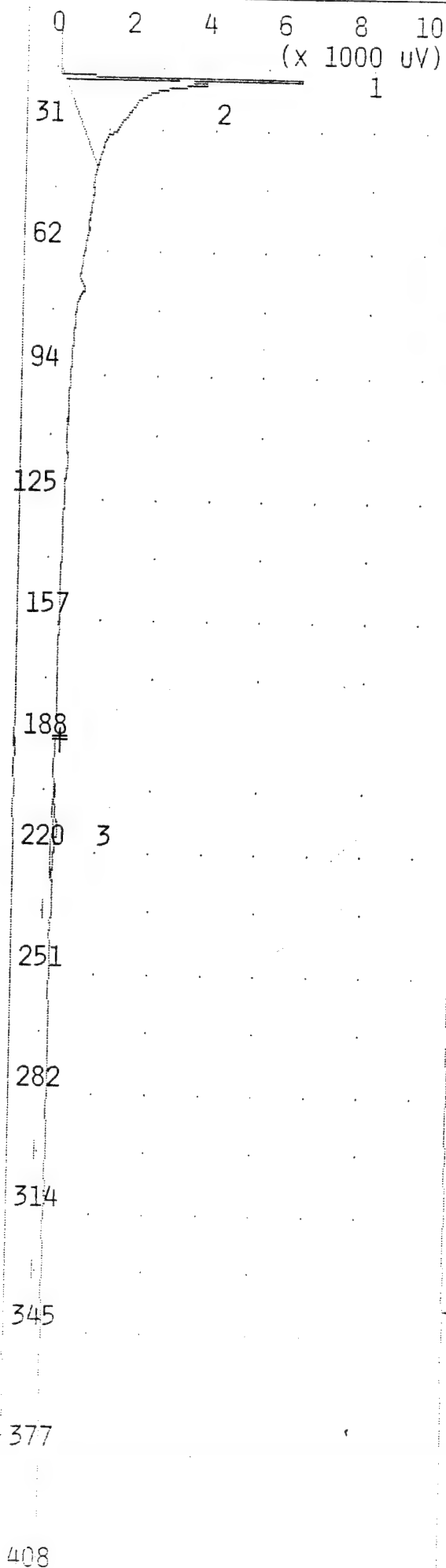
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 118.1 MVS | 15.9  |
| 2  | UNKNOWN       | 0.144 MVS | 22.5  |
| 3  | ETHYLBENZENE  | 3.403 PPB | 214.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-002BH 8.5-10.0



TIME PRINTED: NOV 11,94 12:03

SAMPLE TIME: NOV 11,94 11:56

## METHOD

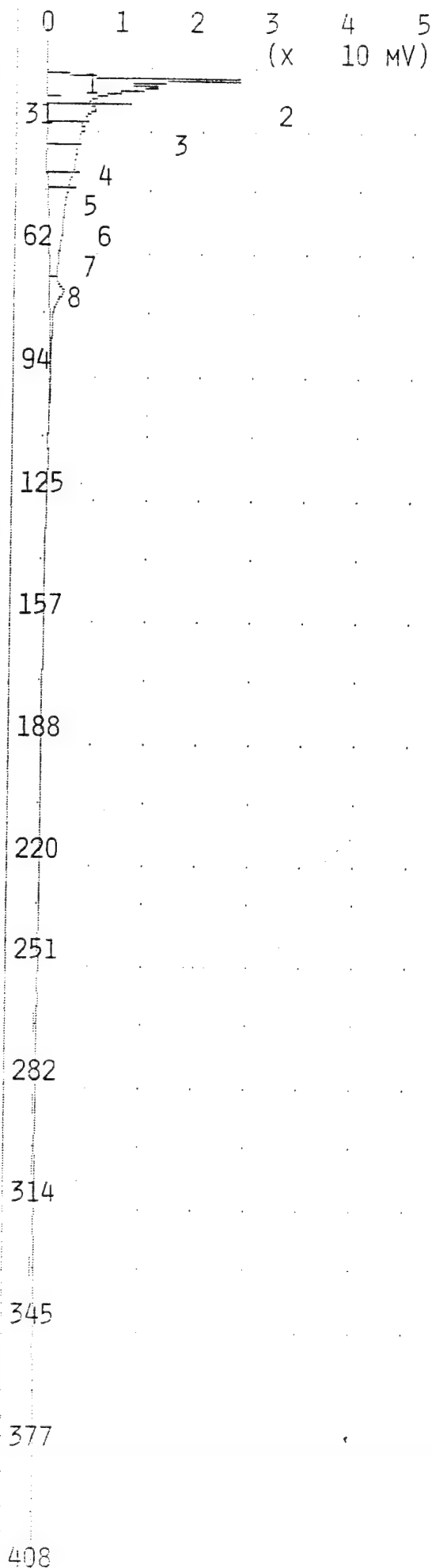
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.003 MVS | 15.7  |
| 2  | UNKNOWN       | 26.90 MVS | 17.2  |
| 3  | UNKNOWN       | 1.088 MVS | 210.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-002BH 13.5-15.0



TIME PRINTED: NOV 11,94 12:14

SAMPLE TIME: NOV 11,94 12:06

## METHOD

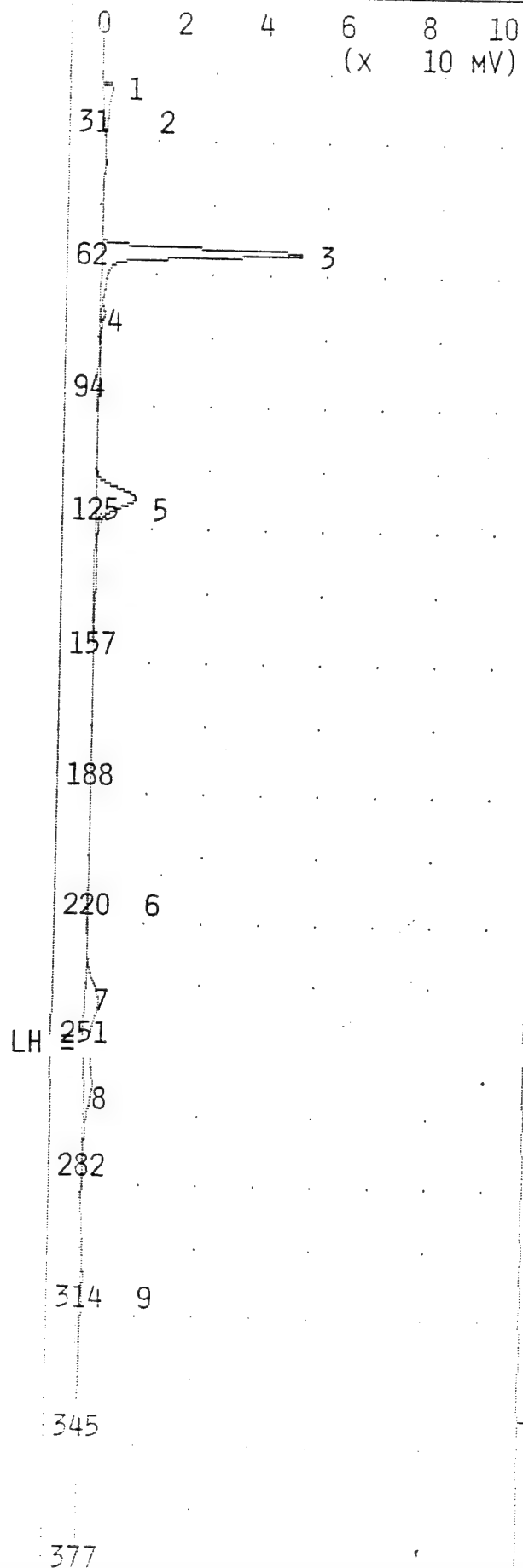
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 2.365 MVS | 14.8 |
| 2  | UNKNOWN       | 36.42 MVS | 15.8 |
| 3  | UNKNOWN       | 43.79 MVS | 18.1 |
| 4  | UNKNOWN       | 33.12 MVS | 23.6 |
| 5  | UNKNOWN       | 10.70 MVS | 28.8 |
| 6  | UNKNOWN       | 16.17 MVS | 30.6 |
| 7  | UNKNOWN       | 74.40 MVS | 34.9 |
| 8  | UNKNOWN       | 16.60 MVS | 70.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-002BH 18.5-19.5



TIME PRINTED: NOV 11,94 12:24

SAMPLE TIME: NOV 11,94 12:17

## METHOD

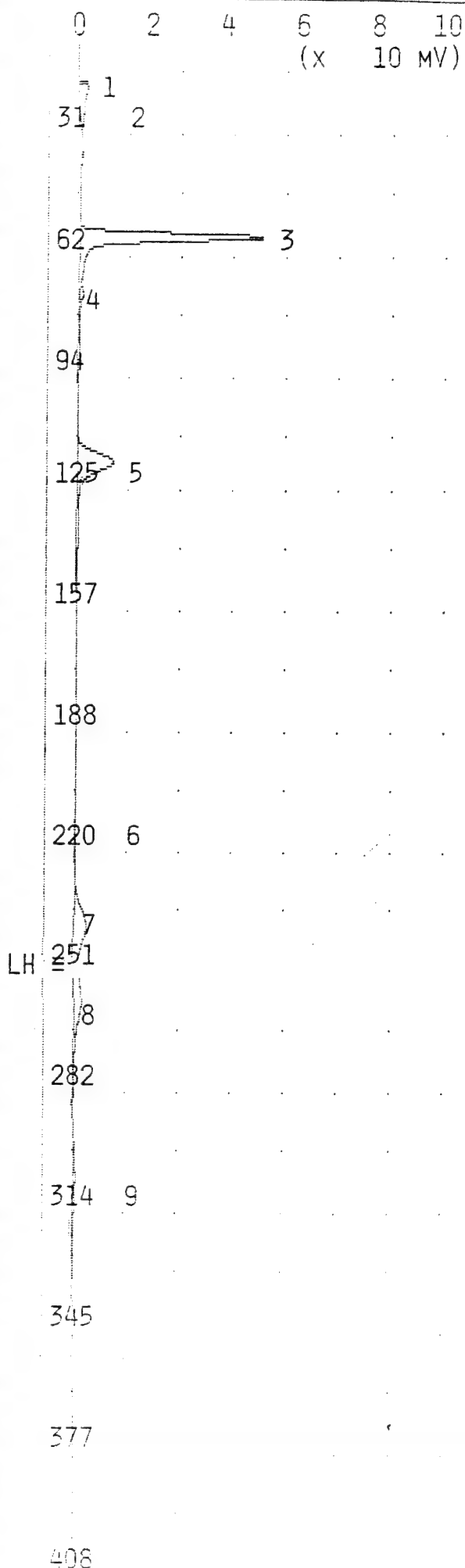
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.569 MVS | 15.9  |
| 2  | UNKNOWN       | 17.77 MVS | 17.4  |
| 3  | BENZENE       | 92.97 PPB | 55.7  |
| 4  | UNKNOWN       | 1.709 MVS | 70.5  |
| 5  | TOLUENE       | 78.63 PPB | 114.0 |
| 6  | UNKNOWN       | 1.755 MVS | 210.8 |
| 7  | ETHYLBENZENE  | 61.33 PPB | 237.4 |
| 8  | MP-XYLENE     | 112.6 PPB | 256.0 |
| 9  | O-XYLENE      | 50.87 PPB | 303.4 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 100 PPB BTEX



TIME PRINTED: NOV 11,94 12:28

SAMPLE TIME: NOV 11,94 12:17

## METHOD

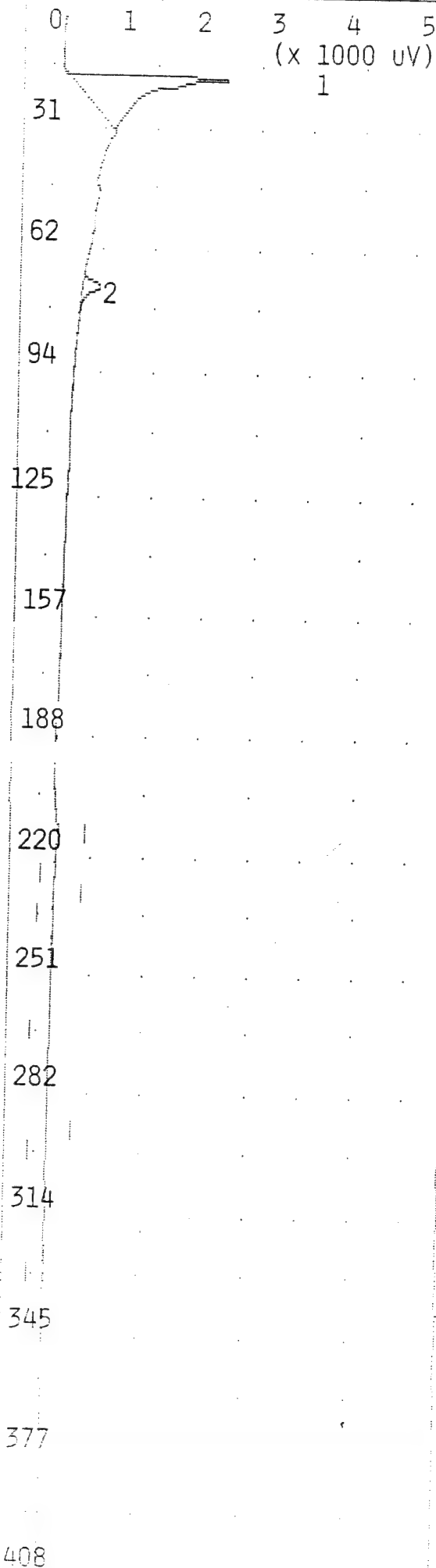
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.569 MVS | 15.9  |
| 2  | UNKNOWN       | 17.77 MVS | 17.4  |
| 3  | BENZENE       | 100.0 PPB | 55.7  |
| 4  | UNKNOWN       | 1.709 MVS | 70.5  |
| 5  | TOLUENE       | 100.0 PPB | 114.0 |
| 6  | UNKNOWN       | 1.755 MVS | 210.8 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 237.4 |
| 8  | MP-XYLENE     | 200.0 PPB | 256.0 |
| 9  | O-XYLENE      | 99.99 PPB | 303.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 12:39

SAMPLE TIME: NOV 11,94 12:32

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 10.61 MVS | 16.0 |
| 2  | UNKNOWN       | 0.810 MVS | 70.2 |

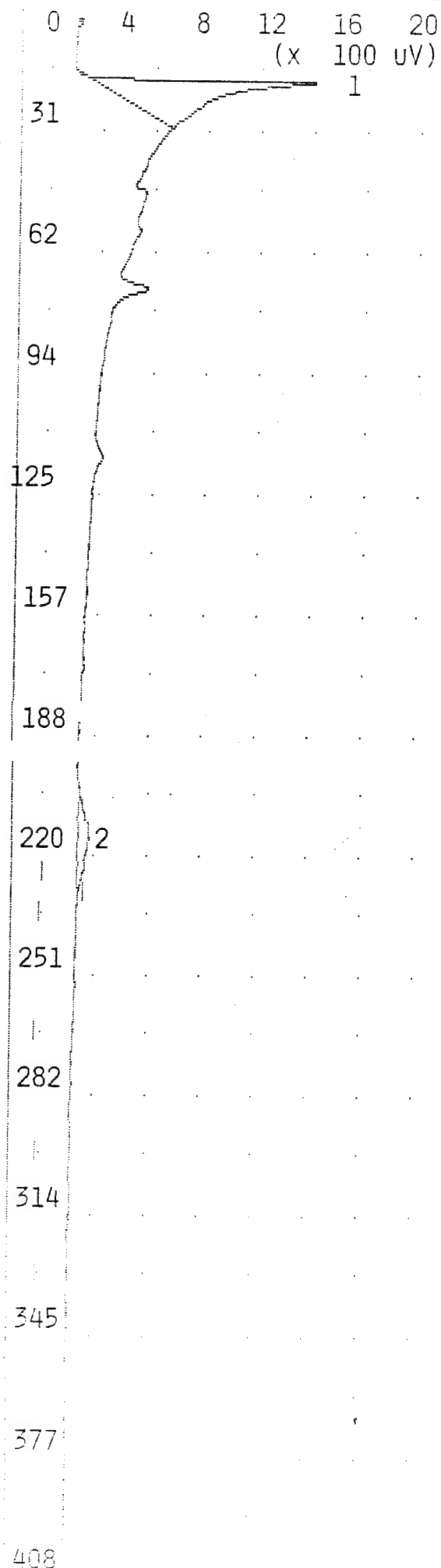
## NOTES

JOE BYRD, JR.

COOS BAY ANG

~~100 PPB STEY~~ JB  
AIR BLANK





TIME PRINTED: Nov 11,94 12:50

SAMPLE TIME: Nov 11,94 12:42

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

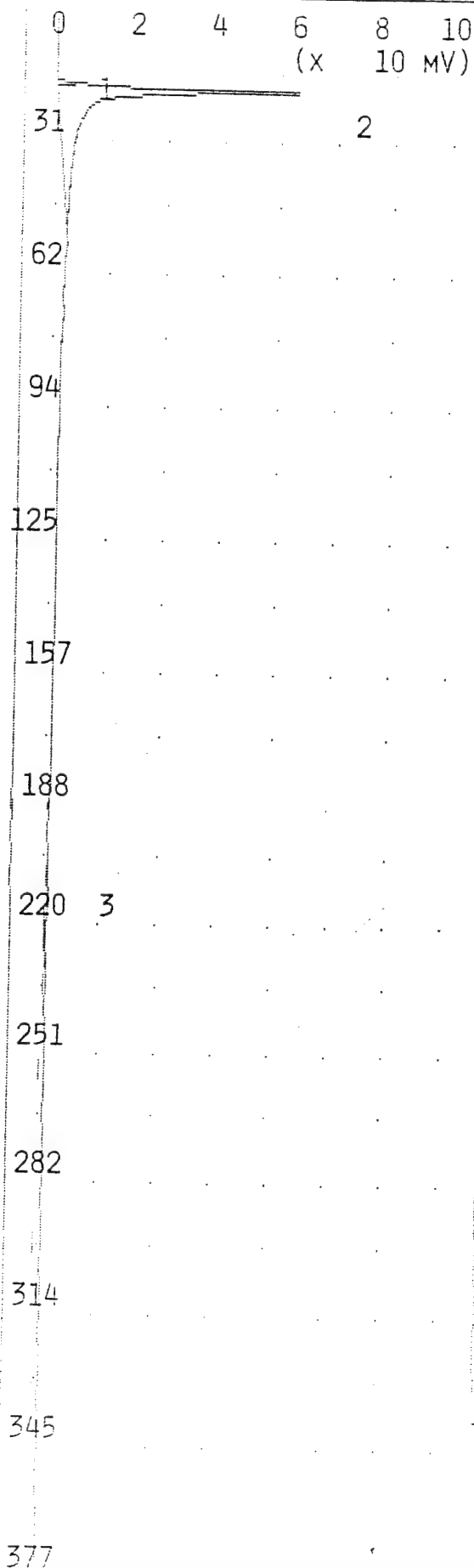
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.845 MVS | 16.4  |
| 2  | ETHYLBENZENE  | 2.008 PPB | 213.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-003BH 1.0- 2.5



TIME PRINTED: NOV 11,94 13:01

SAMPLE TIME: NOV 11,94 12:54

## METHOD

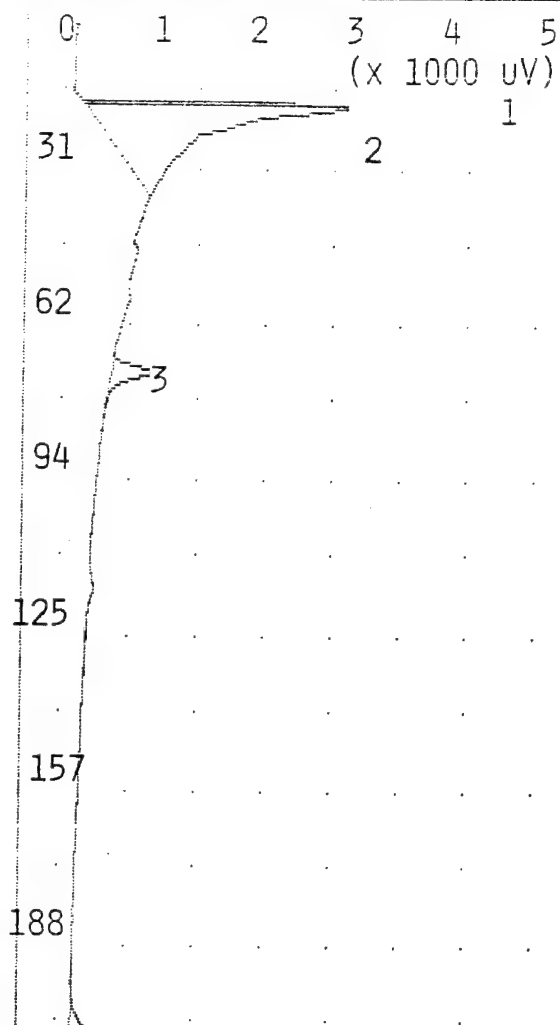
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.887 MVS | 15.7  |
| 2  | UNKNOWN       | 194.8 MVS | 17.2  |
| 3  | UNKNOWN       | 1.539 MVS | 210.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-003BH 4.5- 6.0



TIME PRINTED: NOV 11,94 13:11

SAMPLE TIME: NOV 11,94 13:04

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.166 MVS | 16.0  |
| 2  | UNKNOWN       | 15.33 MVS | 17.2  |
| 3  | UNKNOWN       | 1.283 MVS | 70.6  |
| 4  | UNKNOWN       | 6.067 MVS | 211.6 |

220 4

251

282

314

345

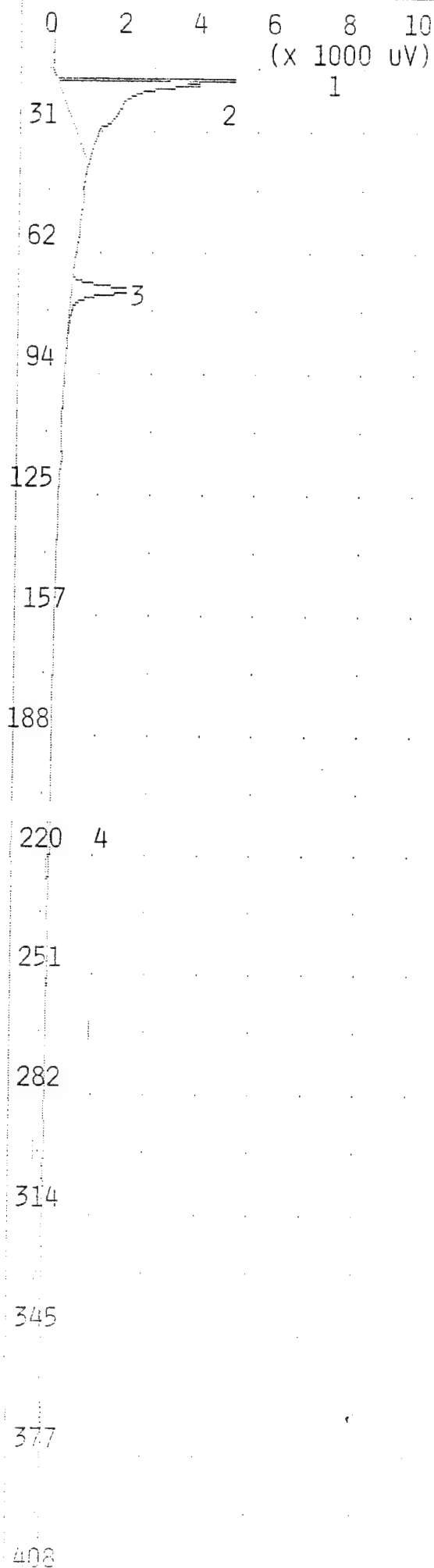
377

408

440

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A24-003BH 8.5-10.0



TIME PRINTED: NOV 11,94 13:22

SAMPLE TIME: NOV 11,94 13:15

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000

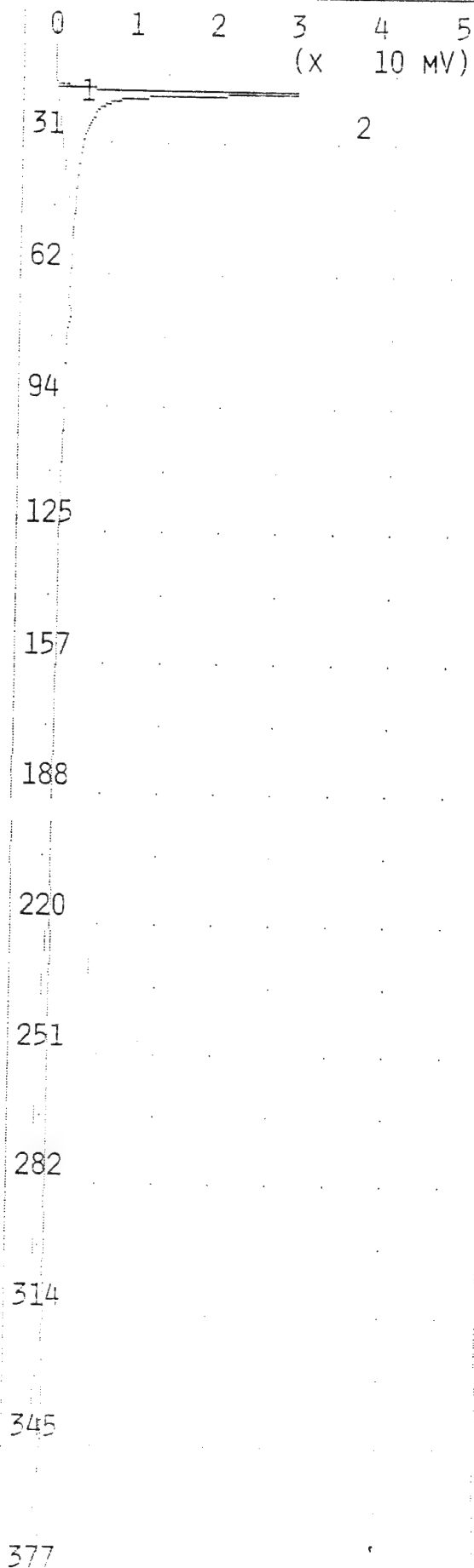
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.906 MVS | 15.9  |
| 2  | UNKNOWN       | 24.18 MVS | 17.3  |
| 3  | UNKNOWN       | 5.009 MVS | 70.5  |
| 4  | UNKNOWN       | 0.727 MVS | 210.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
A24-003BH 13.5-15.0



TIME PRINTED: NOV 11,94 13:32

SAMPLE TIME: NOV 11,94 13:25

## METHOD

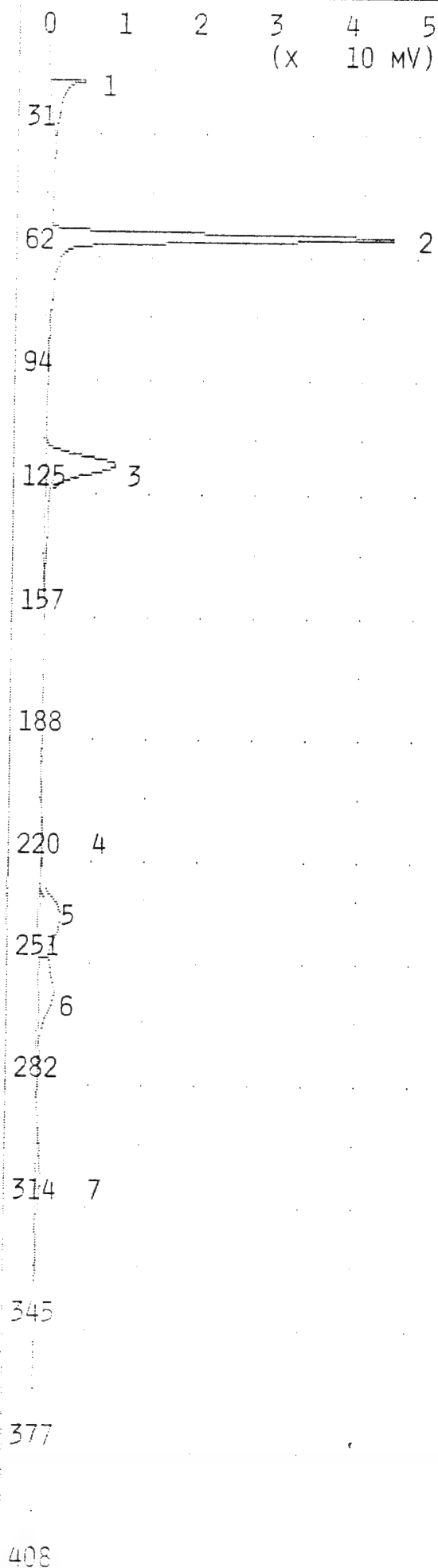
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.805 MVS | 16.1 |
| 2  | UNKNOWN       | 115.9 MVS | 17.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGUS  
A24-003BH 18.5-20.0



TIME PRINTED: NOV 11,94 13:53

SAMPLE TIME: NOV 11,94 13:46

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 22.89 MVS | 15.8  |
| 2  | BENZENE       | 88.66 PPB | 55.8  |
| 3  | TOLUENE       | 93.95 PPB | 113.8 |
| 4  | UNKNOWN       | 3.275 MVS | 211.0 |
| 5  | ETHYLBENZENE  | 98.13 PPB | 237.4 |
| 6  | MP-XYLENE     | 199.4 PPB | 256.0 |
| 7  | O-XYLENE      | 103.6 PPB | 302.6 |

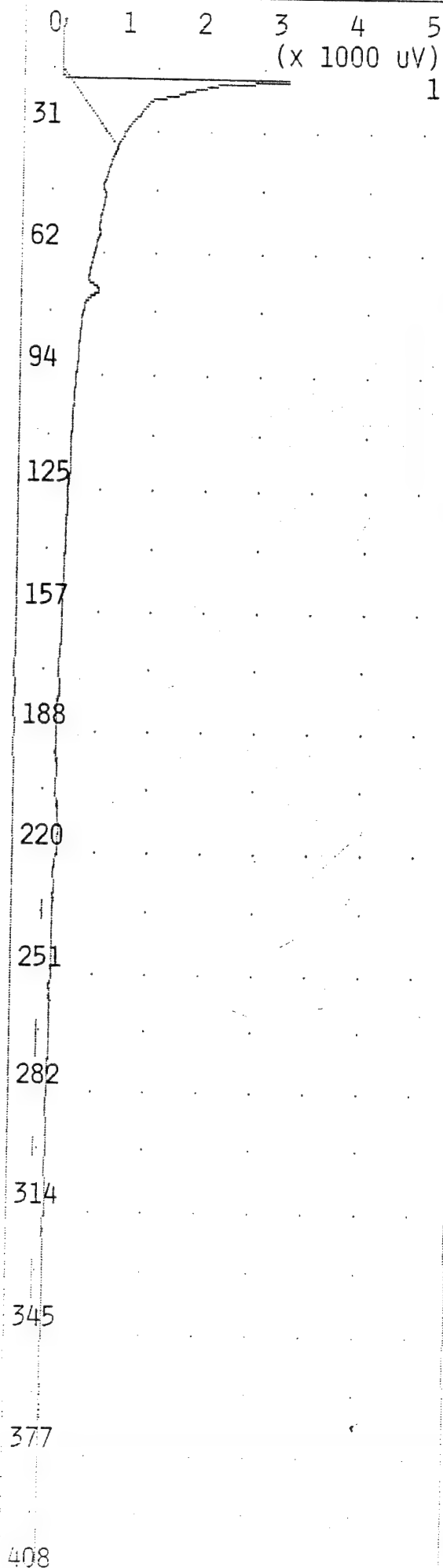
## NOTES

JOE BYRD, JR.

COOS BAY ANGCS

~~A24 003BH 18.5 20.0~~

100 PPB BTEX B



TIME PRINTED: NOV 11,94 14:03

SAMPLE TIME: NOV 11,94 13:56

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

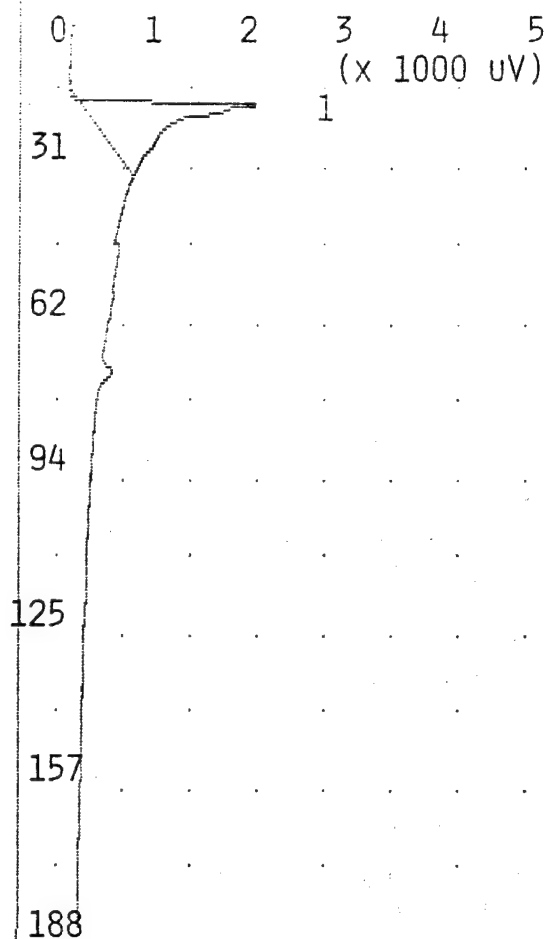
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 15.54 MVS | 15.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK





TIME PRINTED: Nov 11,94 14:16

SAMPLE TIME: Nov 11,94 14:09

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

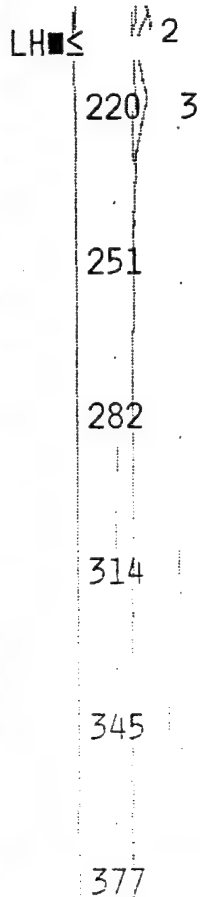
AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

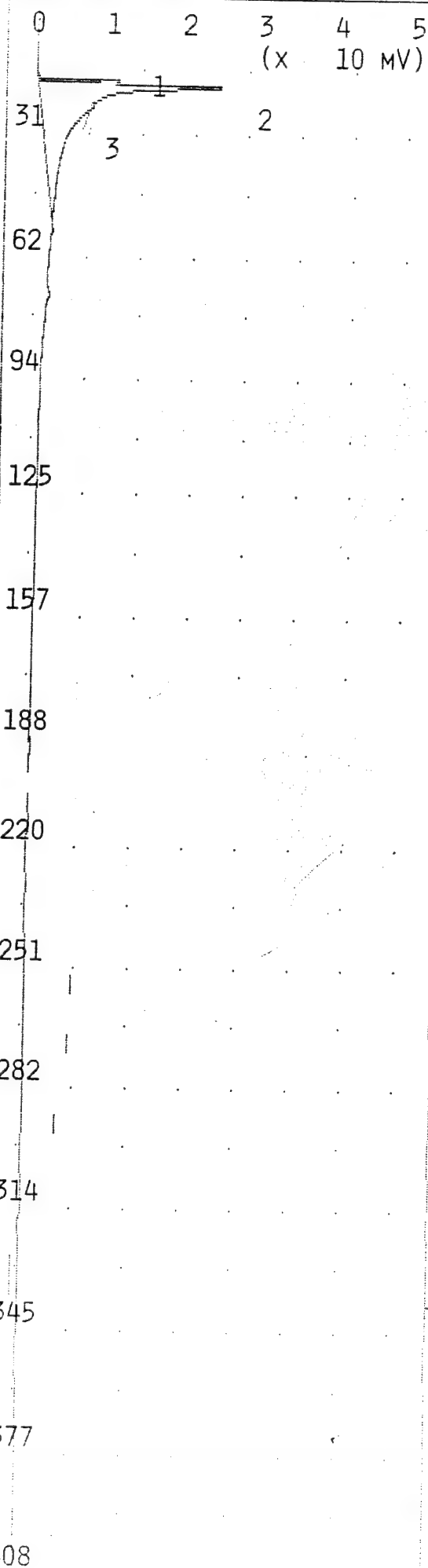
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.957 MVS | 16.2  |
| 2  | UNKNOWN       | 1.793 MVS | 192.2 |
| 3  | UNKNOWN       | 1.532 MVS | 211.0 |



## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-002BH 1.0- 2.5



TIME PRINTED: NOV 11,94 14:35

SAMPLE TIME: NOV 11,94 14:19

## METHOD

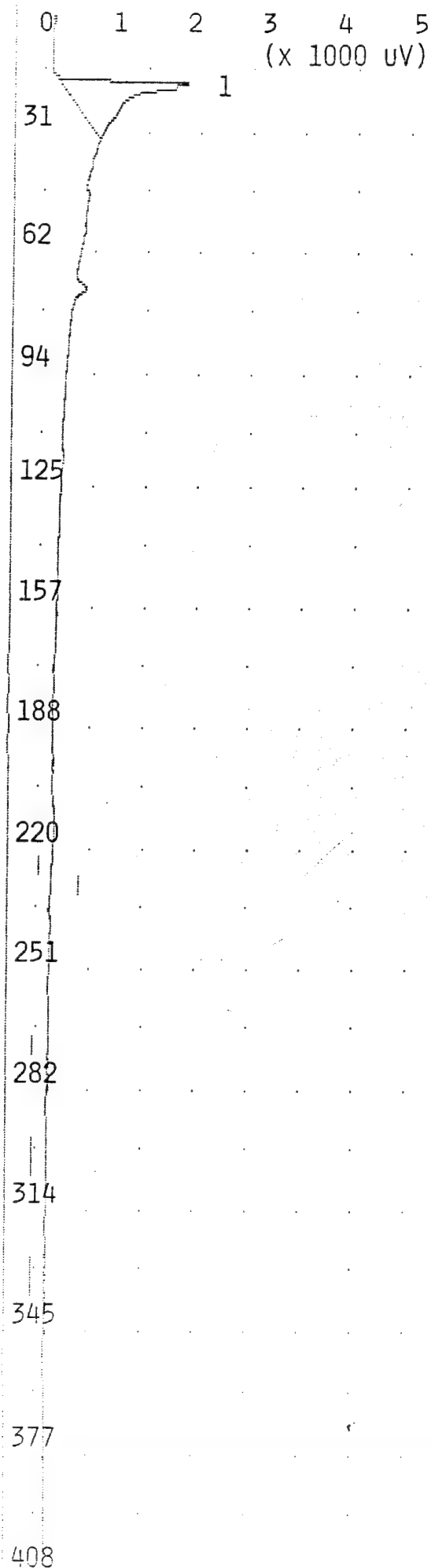
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 10.45 MVS | 15.8 |
| 2  | UNKNOWN       | 139.1 MVS | 17.2 |
| 3  | UNKNOWN       | 0.246 MVS | 22.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-002BH 4.5- 6.0



TIME PRINTED: NOV 11,94 14:46

SAMPLE TIME: NOV 11,94 14:39

## METHOD

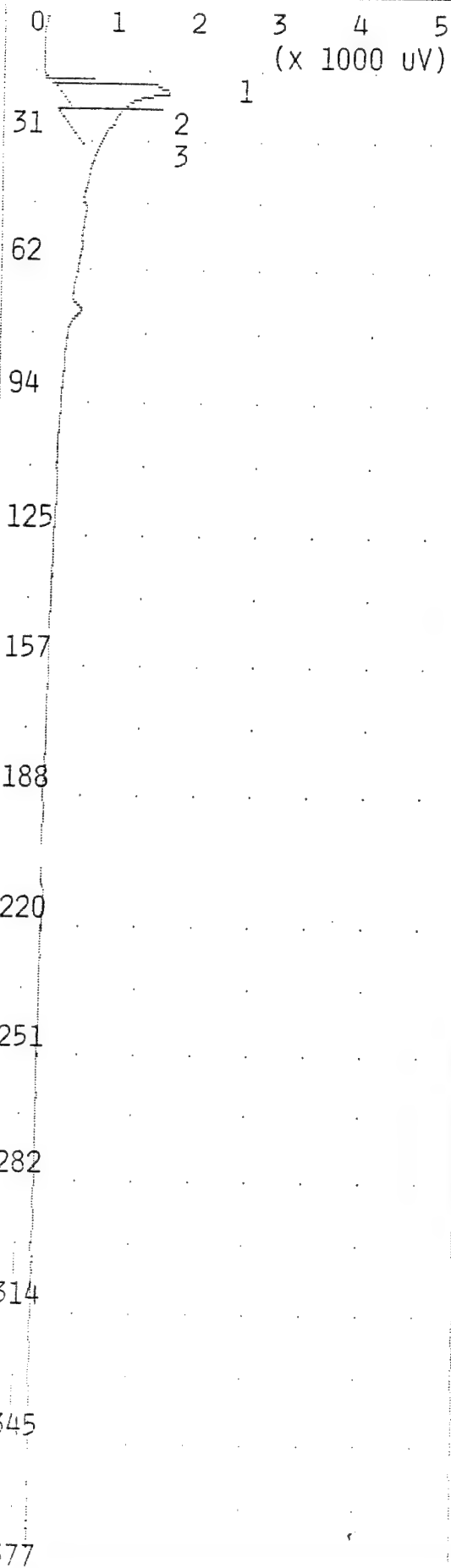
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 9.773 MVS | 16.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-002BH 8.5-10.0



TIME PRINTED: NOV 11,94 14:56

SAMPLE TIME: NOV 11,94 14:49

## METHOD

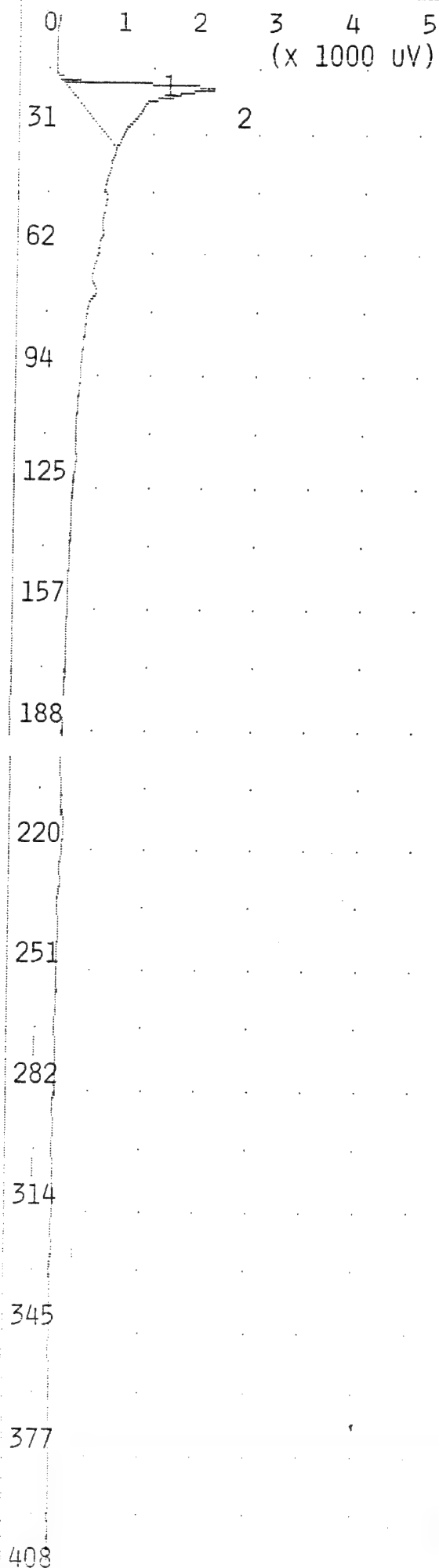
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.042 MVS | 15.7 |
| 2  | UNKNOWN       | 1.008 MVS | 16.5 |
| 3  | UNKNOWN       | 7.474 MVS | 17.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-001BH 1.0- 2.5



TIME PRINTED: NOV 11,94 15:06

SAMPLE TIME: NOV 11,94 14:59

## METHOD

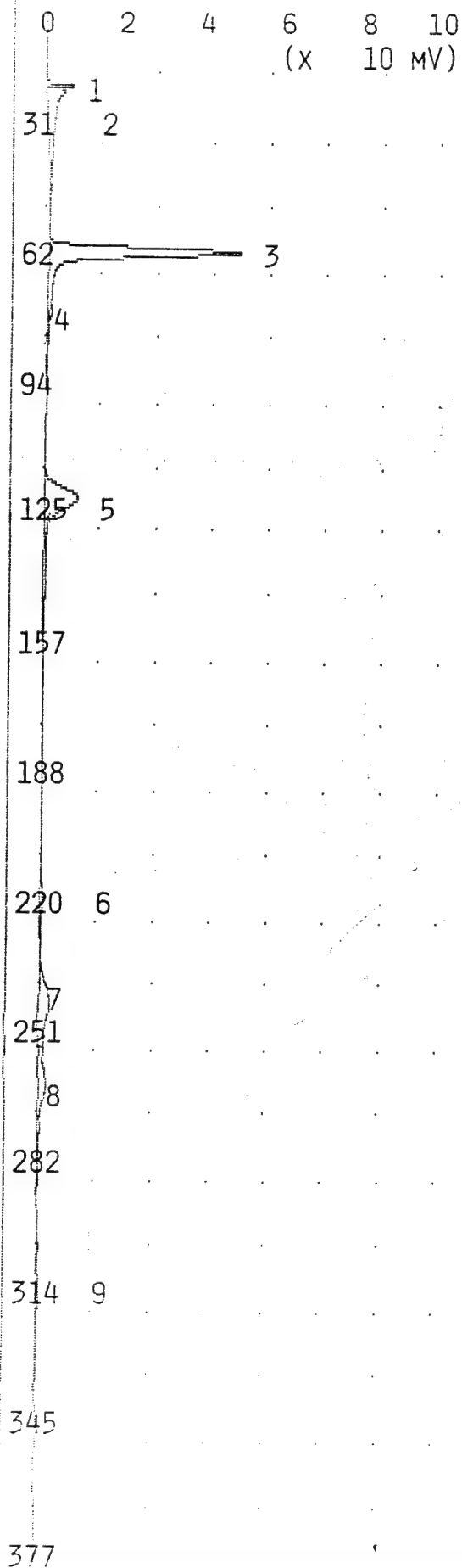
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 0.944 MVS | 16.4 |
| 2  | UNKNOWN       | 11.97 MVS | 17.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-001BH 4.5- 6.0



TIME PRINTED: NOV 11,94 15:16

SAMPLE TIME: NOV 11,94 15:09

## METHOD

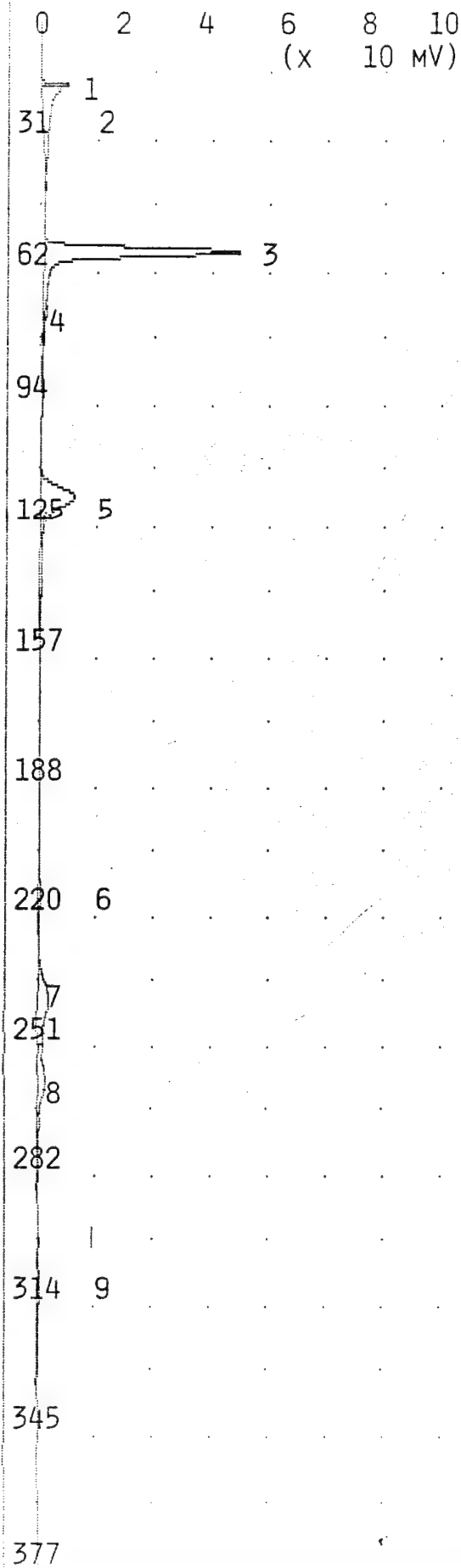
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.425 MVS | 15.8  |
| 2  | UNKNOWN       | 33.81 MVS | 17.3  |
| 3  | BENZENE       | 97.07 PPB | 55.8  |
| 4  | UNKNOWN       | 0.953 MVS | 70.2  |
| 5  | TOLUENE       | 88.08 PPB | 114.1 |
| 6  | UNKNOWN       | 3.674 MVS | 211.8 |
| 7  | ETHYLBENZENE  | 82.55 PPB | 238.2 |
| 8  | MP-XYLENE     | 158.9 PPB | 256.2 |
| 9  | O-XYLENE      | 90.06 PPB | 304.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 15:20

SAMPLE TIME: NOV 11,94 15:09

## METHOD

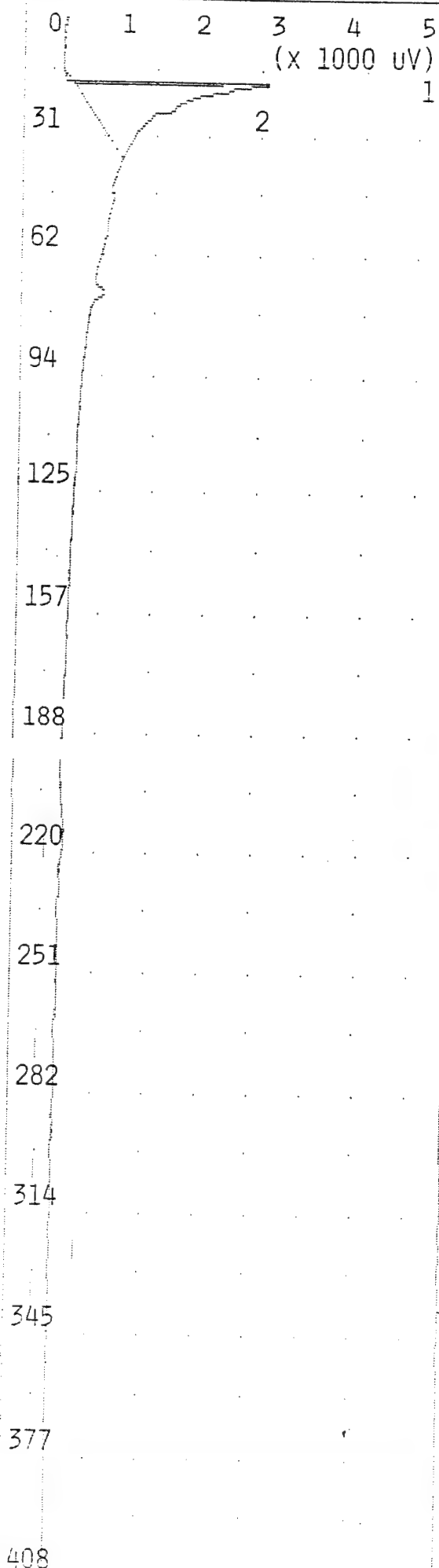
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.425 MVS | 15.8  |
| 2  | UNKNOWN       | 33.81 MVS | 17.3  |
| 3  | BENZENE       | 99.99 PPB | 55.8  |
| 4  | UNKNOWN       | 0.953 MVS | 70.2  |
| 5  | TOLUENE       | 100.0 PPB | 114.1 |
| 6  | UNKNOWN       | 3.674 MVS | 211.8 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 238.2 |
| 8  | MP-XYLENE     | 200.0 PPB | 256.2 |
| 9  | O-XYLENE      | 100.0 PPB | 304.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 11,94 15:30

SAMPLE TIME: NOV 11,94 15:23

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

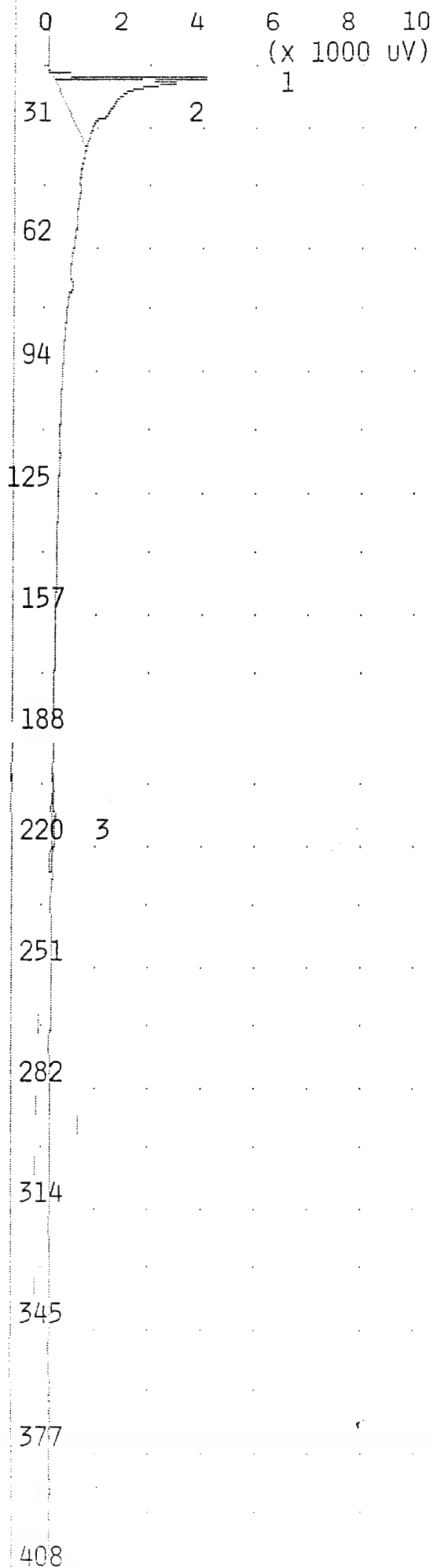
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.506 MVS | 15.9 |
| 2  | UNKNOWN       | 14.76 MVS | 17.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK





TIME PRINTED: NOV 11,94 15:48

SAMPLE TIME: NOV 11,94 15:40

## METHOD

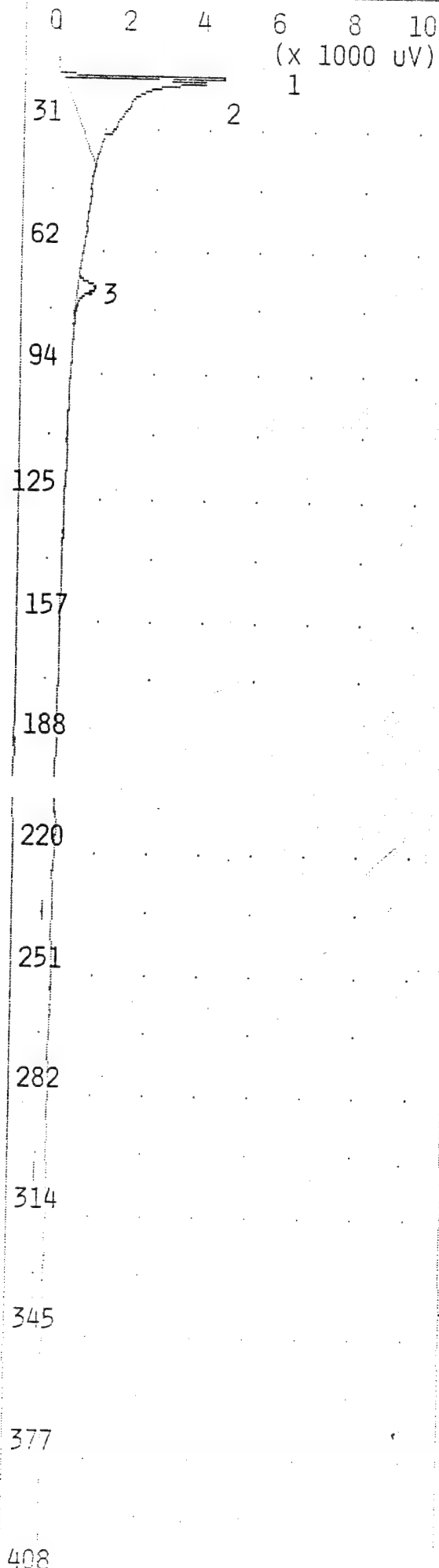
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.045 MVS | 15.8  |
| 2  | UNKNOWN       | 19.64 MVS | 17.2  |
| 3  | UNKNOWN       | 0.732 MVS | 209.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-003BH 1.0- 2.5



TIME PRINTED: NOV 11,94 16:02

SAMPLE TIME: NOV 11,94 15:50

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 4.247 MVS | 15.8 |
| 2  | UNKNOWN       | 25.51 MVS | 17.2 |
| 3  | UNKNOWN       | 1.540 MVS | 70.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-003BH 4.5- 6.0

0 4 8 12 16 20  
(x 1000 uV)

TIME PRINTED: NOV 11,94 16:12

SAMPLE TIME: NOV 11,94 16:05

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

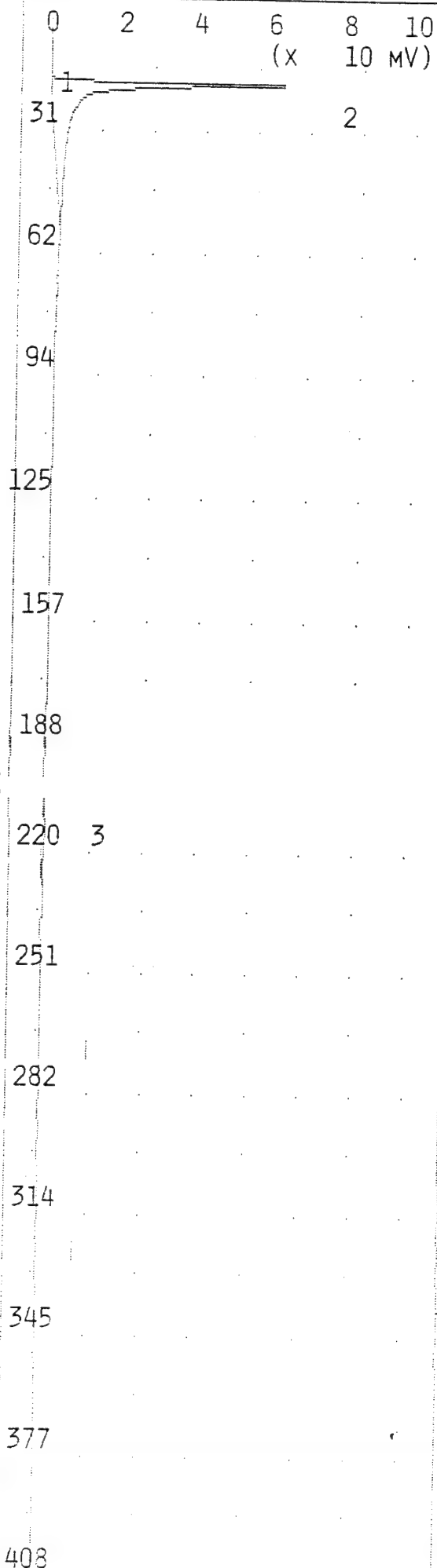
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 11.65 MVS | 15.7 |
| 2  | UNKNOWN       | 96.13 MVS | 17.2 |
| 3  | UNKNOWN       | 0.452 MVS | 22.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-003BH 8.5-10.0

LH



TIME PRINTED: NOV 11,94 16:22

SAMPLE TIME: NOV 11,94 16:15

## METHOD

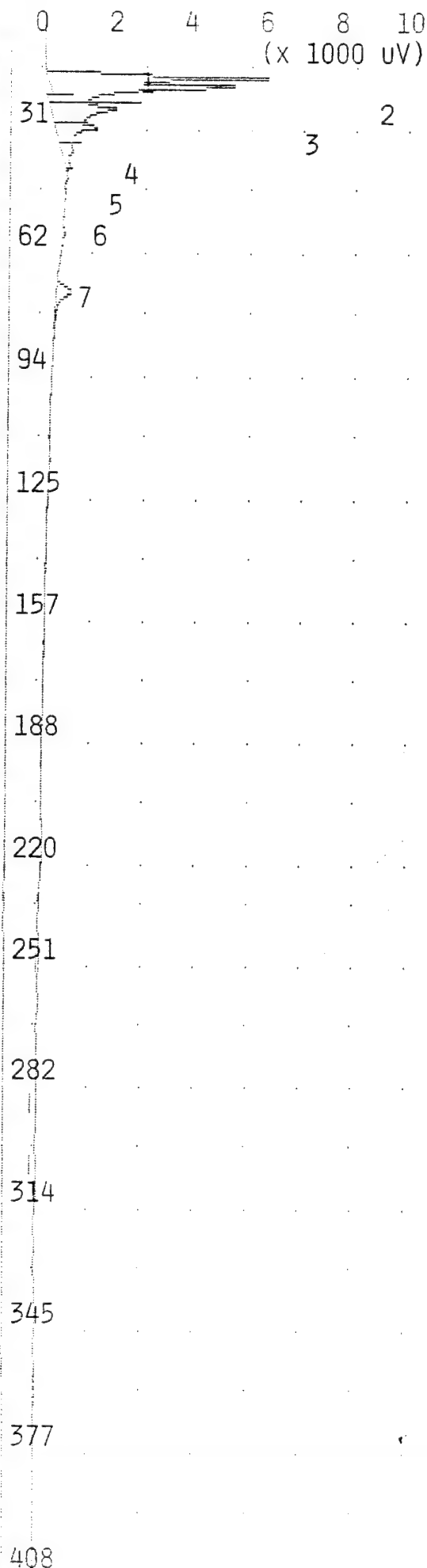
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.023 MVS | 14.7  |
| 2  | UNKNOWN       | 194.8 MVS | 17.2  |
| 3  | UNKNOWN       | 6.124 MVS | 212.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-003BH 13.5-15.0



TIME PRINTED: NOV 11,94 16:33

SAMPLE TIME: NOV 11,94 16:26

## METHOD

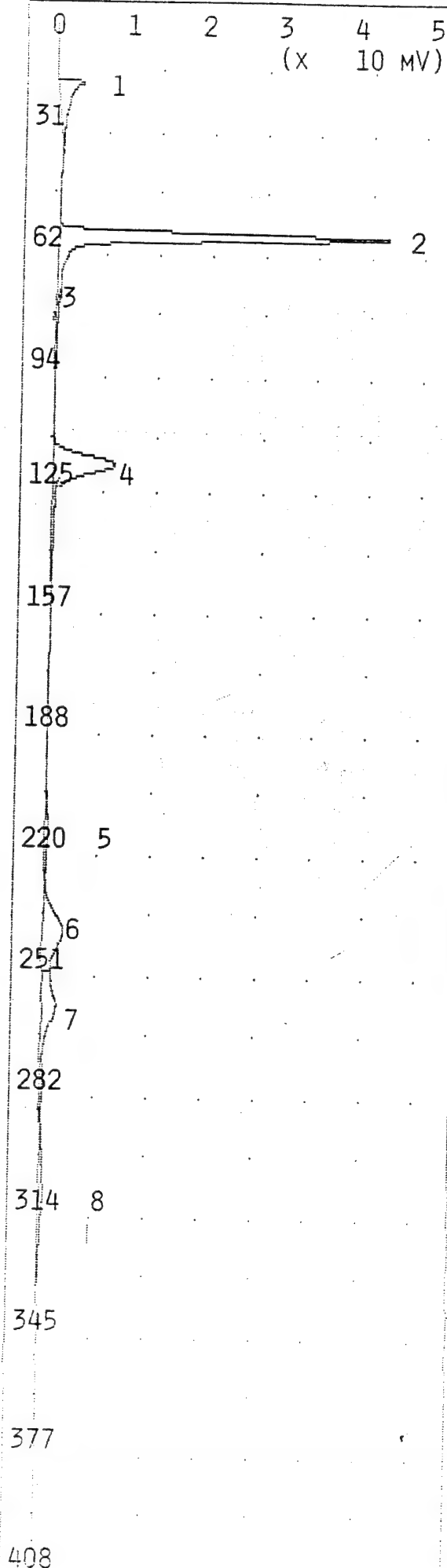
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 1.141 MVS | 14.8 |
| 2  | UNKNOWN       | 8.424 MVS | 15.7 |
| 3  | UNKNOWN       | 11.91 MVS | 18.1 |
| 4  | UNKNOWN       | 5.627 MVS | 23.6 |
| 5  | UNKNOWN       | 2.986 MVS | 28.9 |
| 6  | UNKNOWN       | 0.288 MVS | 34.8 |
| 7  | UNKNOWN       | 1.290 MVS | 70.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SDB-003BH 18.5-20.0



TIME PRINTED: NOV 11,94 16:44

SAMPLE TIME: NOV 11,94 16:37

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

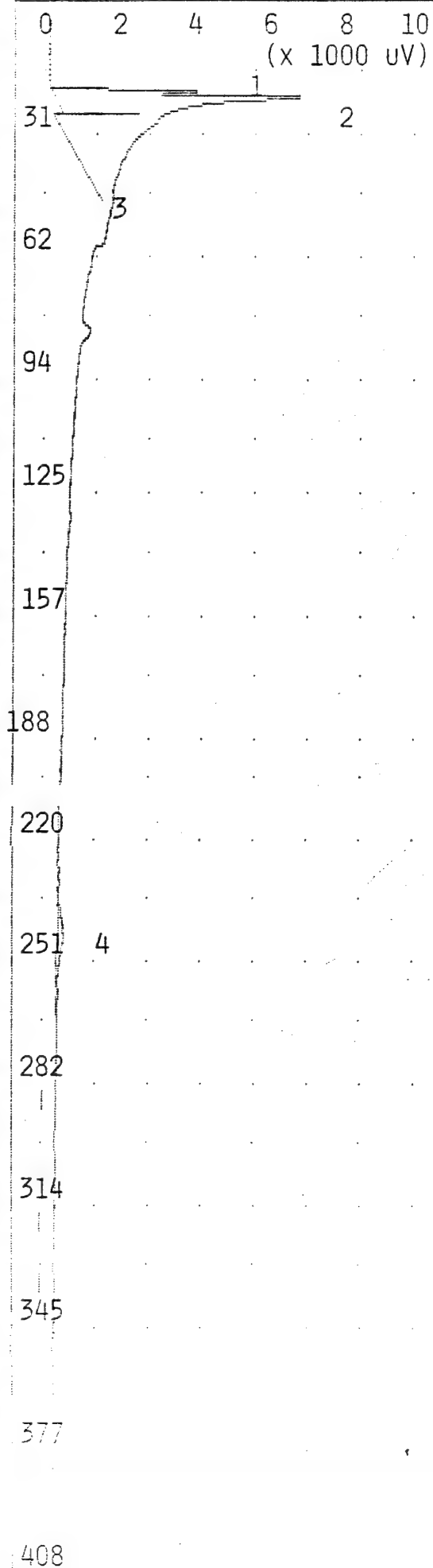
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 20.58 MVS | 16.0  |
| 2  | BENZENE       | 87.11 PPB | 55.9  |
| 3  | UNKNOWN       | 0.387 MVS | 70.2  |
| 4  | TOLUENE       | 93.80 PPB | 114.1 |
| 5  | UNKNOWN       | 3.907 MVS | 211.2 |
| 6  | ETHYLBENZENE  | 97.68 PPB | 237.8 |
| 7  | MP-XYLENE     | 200.0 PPB | 256.0 |
| 8  | O-XYLENE      | 102.4 PPB | 302.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX

ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 12,94 08:51  
SAMPLE TIME: Nov 12,94 08:43

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 21 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

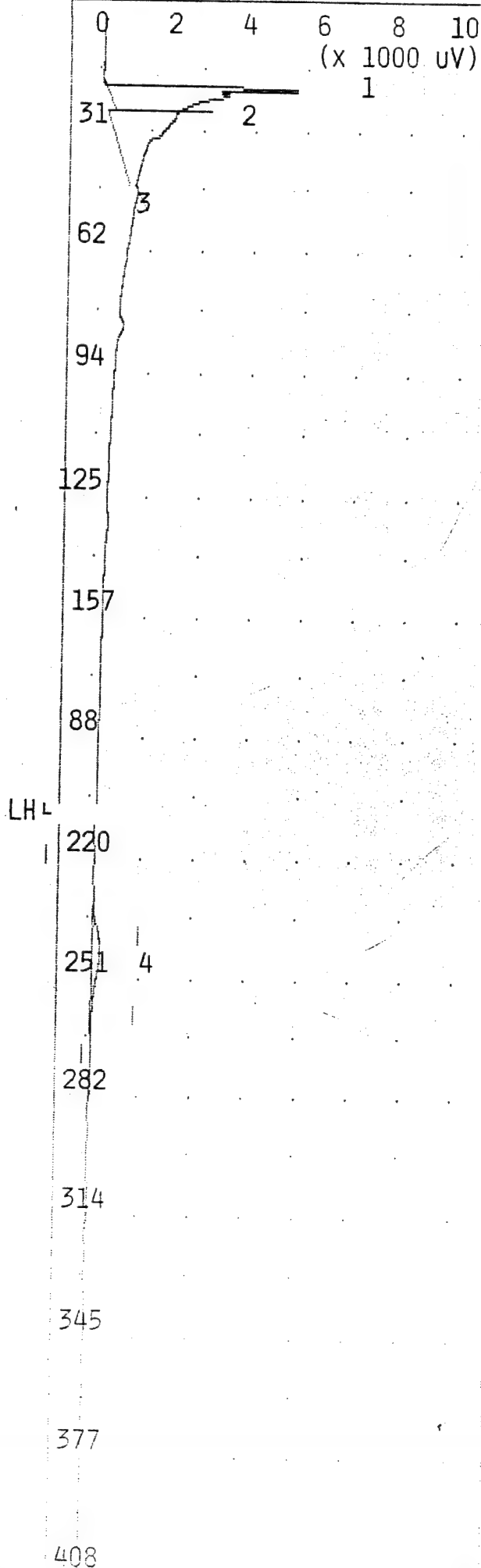
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.270 MVS | 18.2  |
| 2  | UNKNOWN       | 45.58 MVS | 19.9  |
| 3  | UNKNOWN       | 0.045 MVS | 44.9  |
| 4  | UNKNOWN       | 1.935 MVS | 243.2 |

NOTES

## ANALYSIS #2

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 09:13

SAMPLE TIME: NOV 12,94 09:05

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 23    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.478 MVS | 18.2  |
| 2  | UNKNOWN       | 27.42 MVS | 19.9  |
| 3  | UNKNOWN       | 0.025 MVS | 45.1  |
| 4  | UNKNOWN       | 3.009 MVS | 242.9 |

NOTES



0 2 4 6 8 10  
(x 1000 uV)

TIME PRINTED: Nov 12,94 09:47

SAMPLE TIME: Nov 12,94 09:16

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 26 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

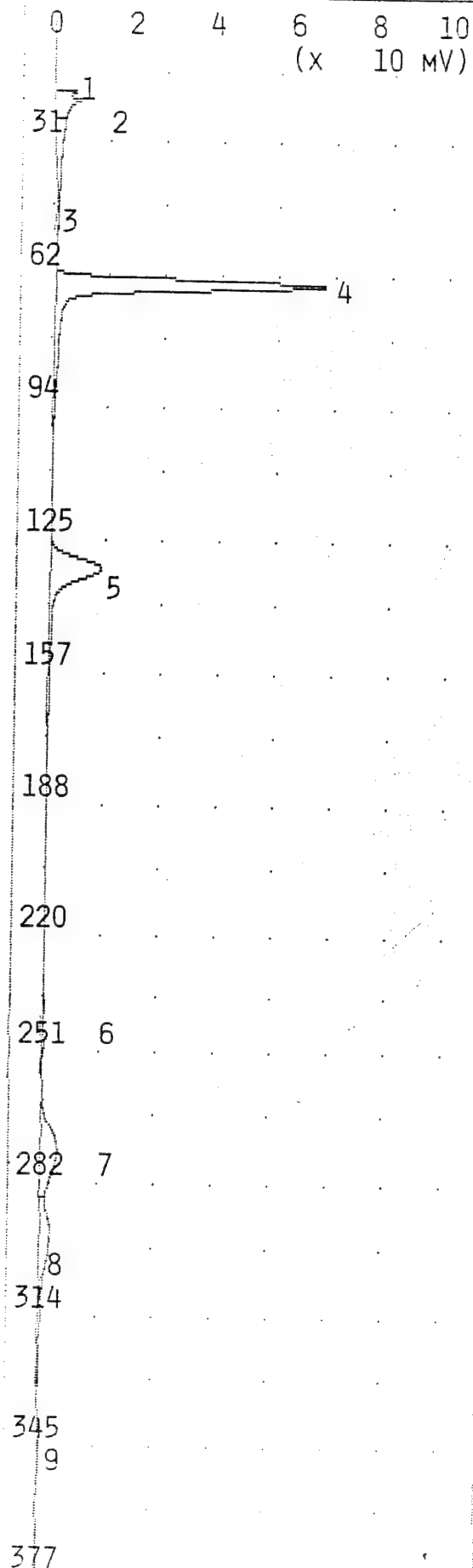
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 5.459 MVS | 18.1 |
| 2  | UNKNOWN       | 20.00 MVS | 19.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX

2,000 PPM BTEX STANDARD SEEMS TO  
HAVE GONE FLAT!!!!!!



TIME PRINTED: Nov 12,94 10:04

SAMPLE TIME: Nov 12,94 09:52

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.457 MVS | 17.9  |
| 2  | UNKNOWN       | 46.07 MVS | 19.8  |
| 3  | UNKNOWN       | 0.025 MVS | 45.0  |
| 4  | UNKNOWN       | 217.6 MVS | 63.1  |
| 5  | UNKNOWN       | 85.93 MVS | 130.4 |
| 6  | UNKNOWN       | 4.003 MVS | 243.7 |
| 7  | UNKNOWN       | 53.54 MVS | 273.3 |
| 8  | UNKNOWN       | 41.81 MVS | 294.1 |
| 9  | UNKNOWN       | 6.482 MVS | 346.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: Nov 12,94 10:11

SAMPLE TIME: Nov 12,94 09:52

## METHOD

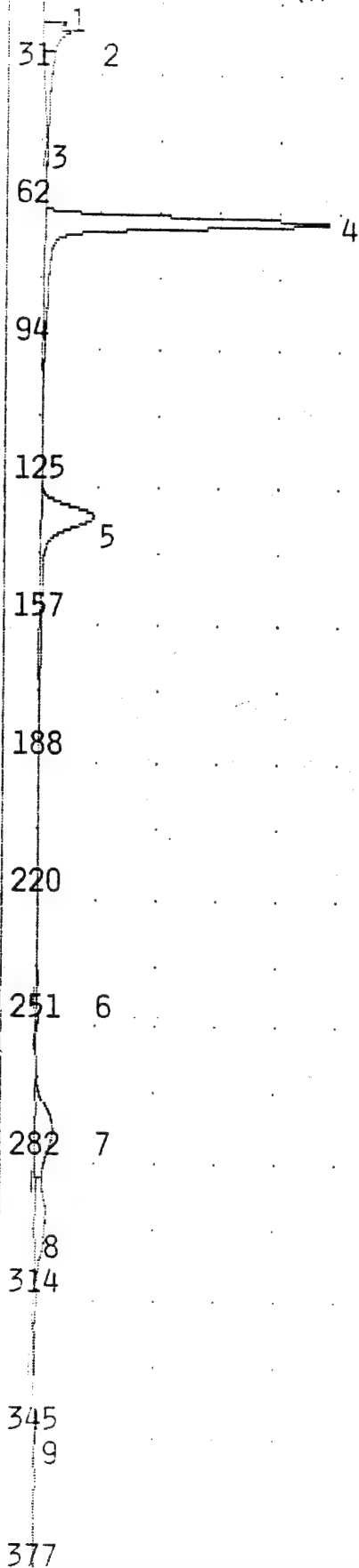
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

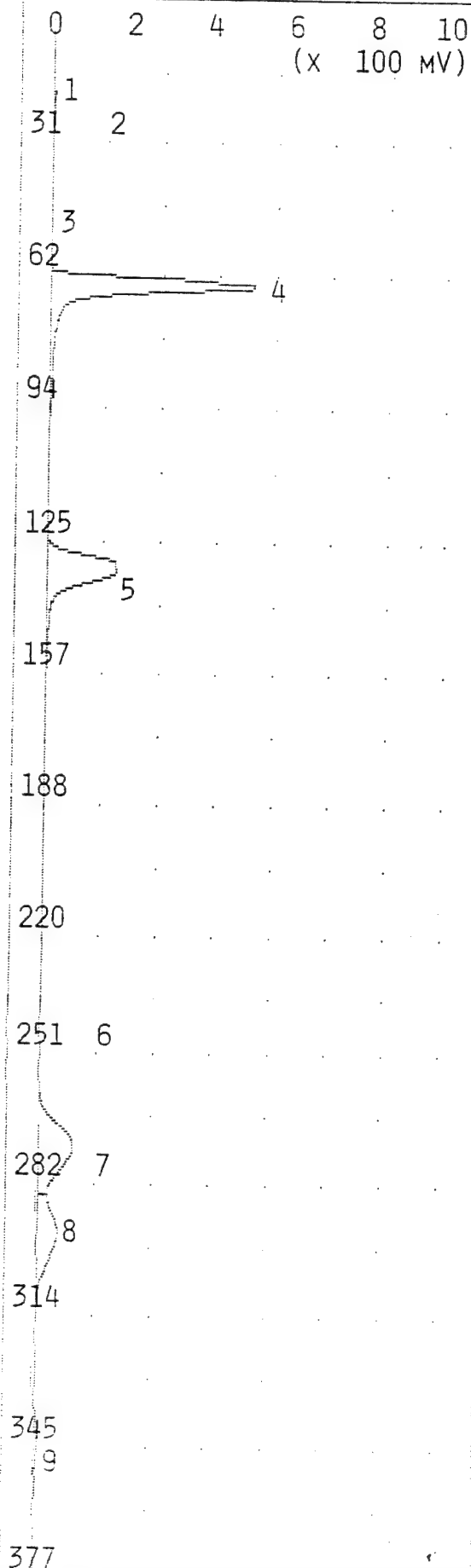
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.457 MVS | 17.9  |
| 2  | UNKNOWN       | 46.07 MVS | 19.8  |
| 3  | UNKNOWN       | 0.025 MVS | 45.0  |
| 4  | BENZENE       | 100.0 PPB | 63.1  |
| 5  | TOLUENE       | 100.0 PPB | 130.4 |
| 6  | UNKNOWN       | 4.003 MVS | 243.7 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 273.3 |
| 8  | MP-XYLENE     | 200.0 PPB | 294.1 |
| 9  | O-XYLENE      | 100.0 PPB | 346.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX





TIME PRINTED: Nov 12,94 10:23

SAMPLE TIME: Nov 12,94 10:15

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

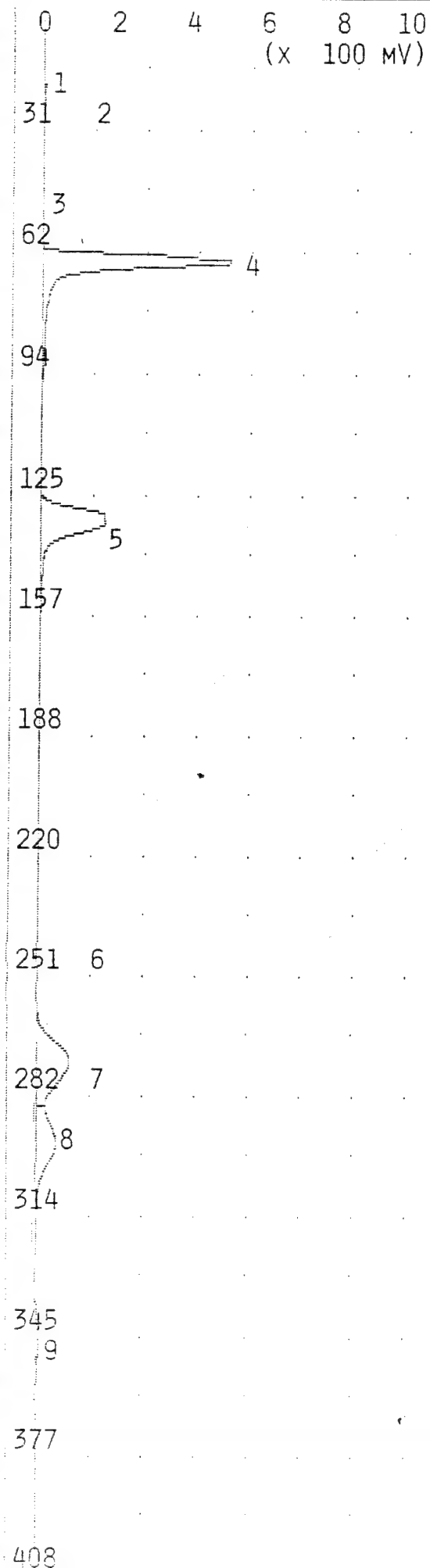
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.202 MVS | 17.9  |
| 2  | UNKNOWN       | 37.32 MVS | 19.6  |
| 3  | UNKNOWN       | 0.050 MVS | 44.9  |
| 4  | BENZENE       | 1.030 PPM | 63.4  |
| 5  | TOLUENE       | 1.689 PPM | 130.5 |
| 6  | UNKNOWN       | 1.695 MVS | 239.2 |
| 7  | ETHYLBENZENE  | 2.201 PPM | 271.7 |
| 8  | MP-XYLENE     | 3.647 PPM | 293.0 |
| 9  | O-XYLENE      | 2.105 PPM | 345.0 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 1 PPM BTEX

## ANALYSIS #5

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 10:28

SAMPLE TIME: NOV 12,94 10:15

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

|          |       |       |
|----------|-------|-------|
| MIN AREA | 0.000 | MVSEC |
|----------|-------|-------|

|            |       |    |
|------------|-------|----|
| MIN HEIGHT | 0.000 | MV |
|------------|-------|----|

ANALYSIS DELAY 0.0 SEC

|                |      |   |
|----------------|------|---|
| WINDOW PERCENT | 10.0 | % |
|----------------|------|---|

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

|          |      |
|----------|------|
| MAX GAIN | 1000 |
|----------|------|

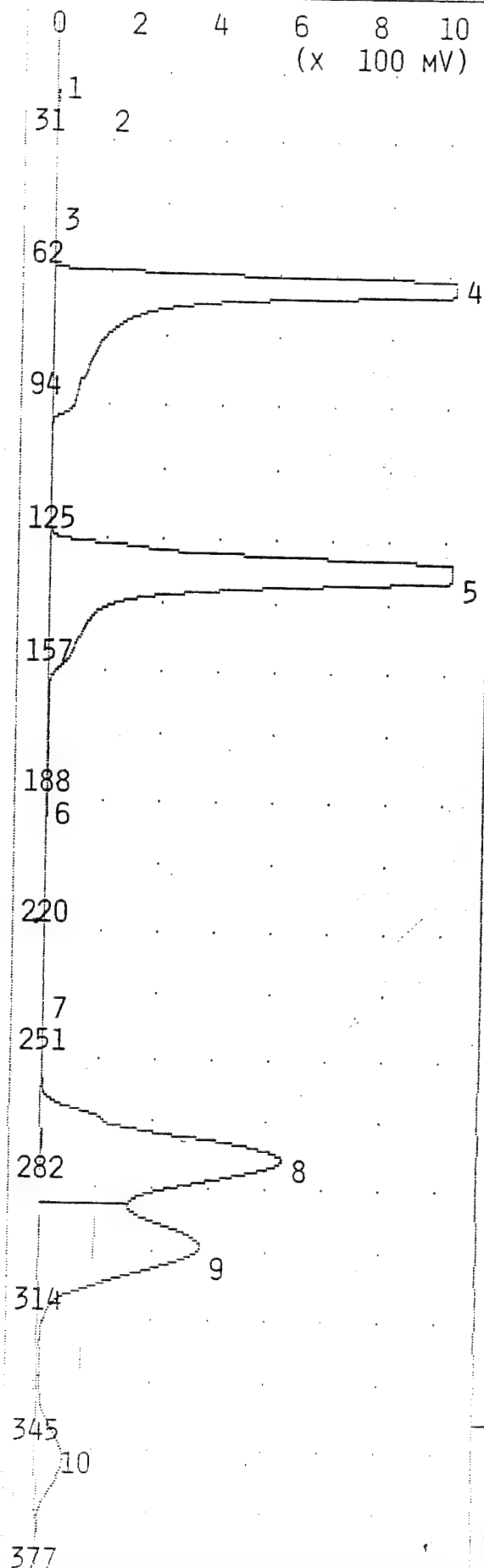
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.202 MVS | 17.9  |
| 2  | UNKNOWN       | 37.32 MVS | 19.6  |
| 3  | UNKNOWN       | 0.050 MVS | 44.9  |
| 4  | BENZENE       | 1.000 PPM | 63.4  |
| 5  | TOLUENE       | 1.000 PPM | 130.5 |
| 6  | UNKNOWN       | 1.695 MVS | 239.2 |
| 7  | ETHYLBENZENE  | 1.000 PPM | 271.7 |
| 8  | MP-XYLENE     | 2.000 PPM | 293.0 |
| 9  | O-XYLENE      | 1.007 PPM | 345.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
1 PPM BTEX



TIME PRINTED: NOV 12,94 10:38

SAMPLE TIME: NOV 12,94 10:31

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

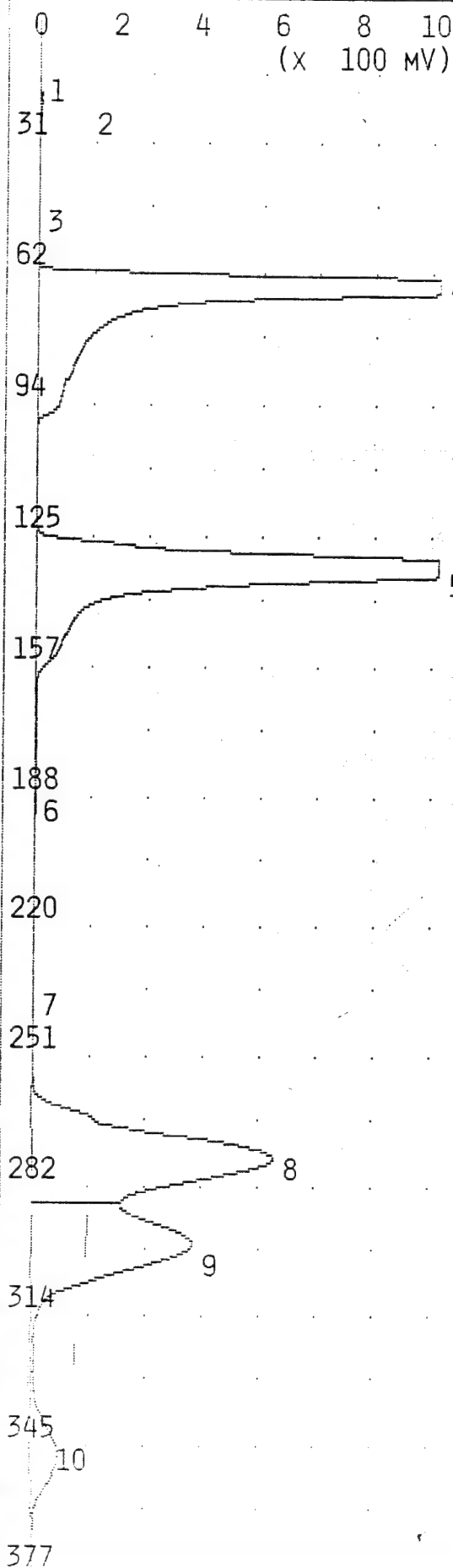
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.234 MVS | 17.9  |
| 2  | UNKNOWN       | 45.63 MVS | 19.7  |
| 3  | UNKNOWN       | 0.042 MVS | 46.7  |
| 4  | BENZENE       | 5.689 PPM | 63.4  |
| 5  | TOLUENE       | 8.310 PPM | 131.0 |
| 6  | UNKNOWN       | 1.419 MVS | 187.8 |
| 7  | UNKNOWN       | 5.737 MVS | 237.0 |
| 8  | ETHYLBENZENE  | 7.152 PPM | 273.6 |
| 9  | MP-XYLENE     | 15.97 PPM | 294.6 |
| 10 | O-XYLENE      | 8.248 PPM | 346.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG

~~1 PPM BTEX~~ 38

10 PPM BTEX



TIME PRINTED: NOV 12,94 10:43

SAMPLE TIME: NOV 12,94 10:31

## METHOD

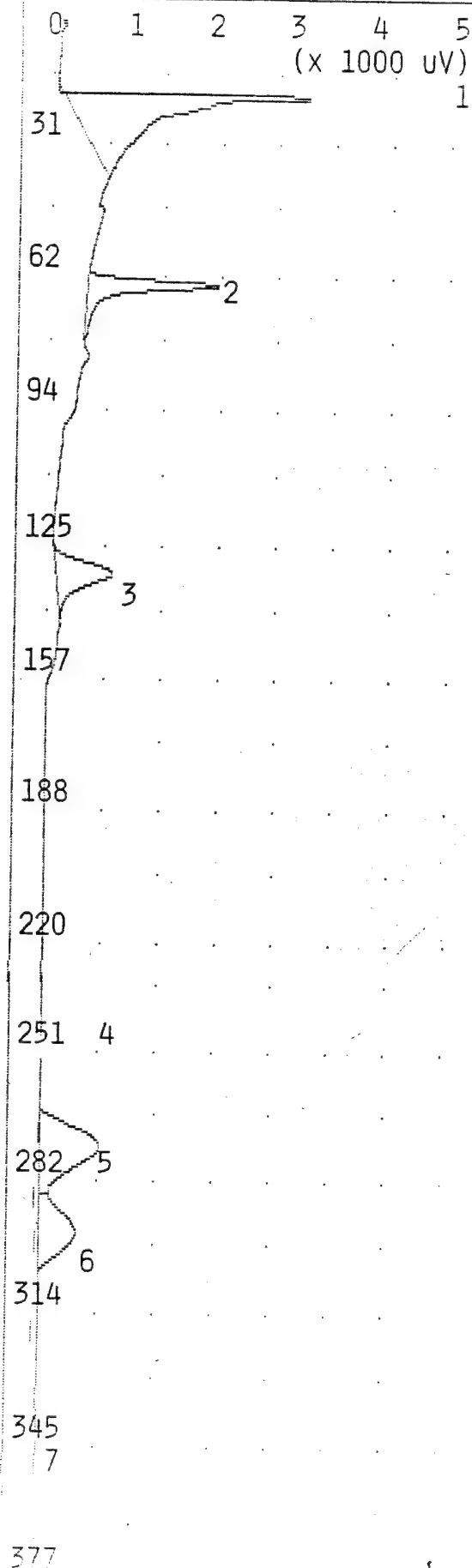
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.234 MVS | 17.9  |
| 2  | UNKNOWN       | 45.63 MVS | 19.7  |
| 3  | UNKNOWN       | 0.042 MVS | 46.7  |
| 4  | BENZENE       | 10.00 PPM | 63.4  |
| 5  | TOLUENE       | 10.00 PPM | 131.0 |
| 6  | UNKNOWN       | 1.419 MVS | 187.8 |
| 7  | UNKNOWN       | 5.737 MVS | 237.0 |
| 8  | ETHYLBENZENE  | 10.00 PPM | 273.6 |
| 9  | MP-XYLENE     | 20.00 PPM | 294.6 |
| 10 | O-XYLENE      | 10.03 PPM | 346.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX



TIME PRINTED: NOV 12,94 10:54

SAMPLE TIME: NOV 12,94 10:47

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

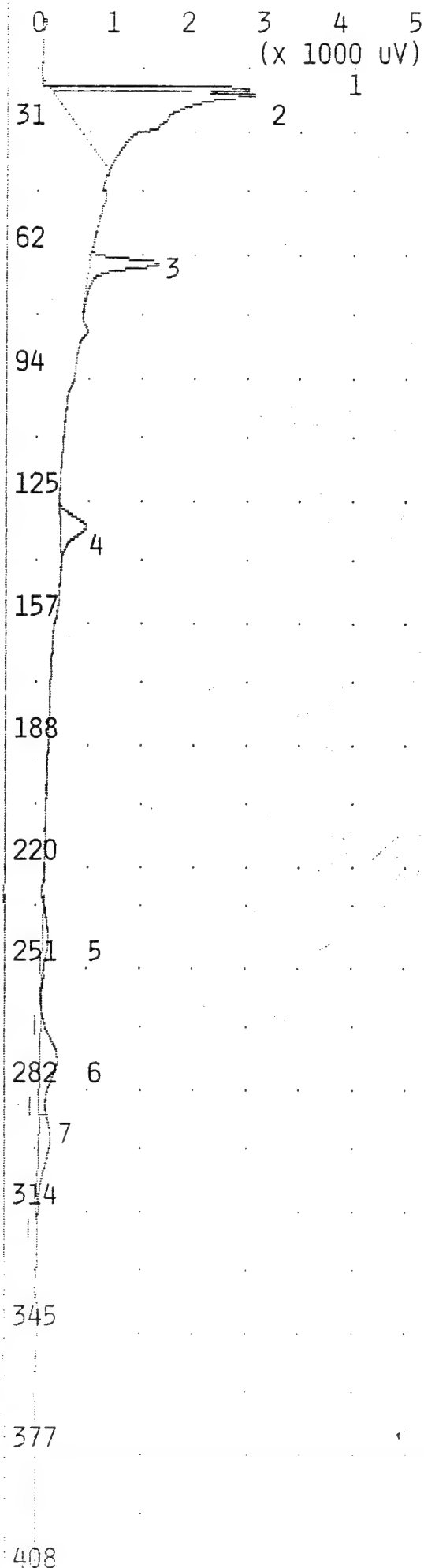
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 17.61 MVS | 18.0  |
| 2  | BENZENE       | 2.367 PPB | 62.8  |
| 3  | TOLUENE       | 5.518 PPB | 130.2 |
| 4  | UNKNOWN       | 0.973 MVS | 241.6 |
| 5  | ETHYLBENZENE  | 25.88 PPB | 272.5 |
| 6  | MP-XYLENE     | 56.20 PPB | 293.3 |
| 7  | O-XYLENE      | 33.78 PPB | 344.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
AIR BLANK





TIME PRINTED: Nov 12,94 11:05

SAMPLE TIME: Nov 12,94 10:57

## METHOD

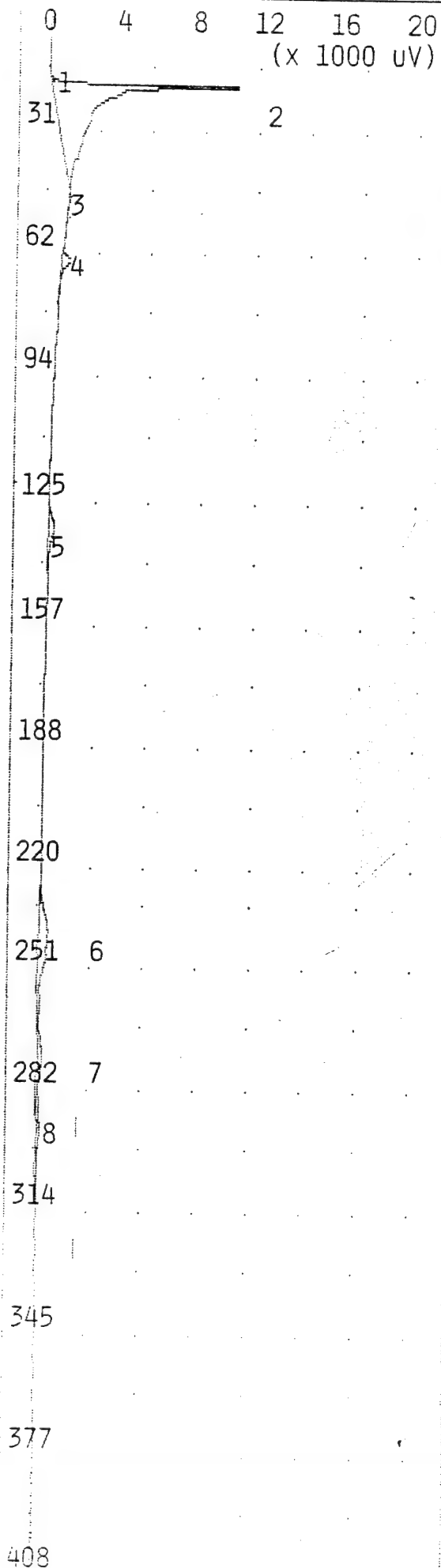
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.855 MVS | 18.0  |
| 2  | UNKNOWN       | 20.06 MVS | 19.8  |
| 3  | BENZENE       | 1.392 PPB | 63.0  |
| 4  | TOLUENE       | 2.849 PPB | 129.8 |
| 5  | UNKNOWN       | 0.921 MVS | 241.0 |
| 6  | ETHYLBENZENE  | 6.388 PPB | 273.0 |
| 7  | MP-XYLENE     | 9.473 PPB | 293.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK



TIME PRINTED: Nov 12,94 11:32

SAMPLE TIME: Nov 12,94 11:24

## METHOD

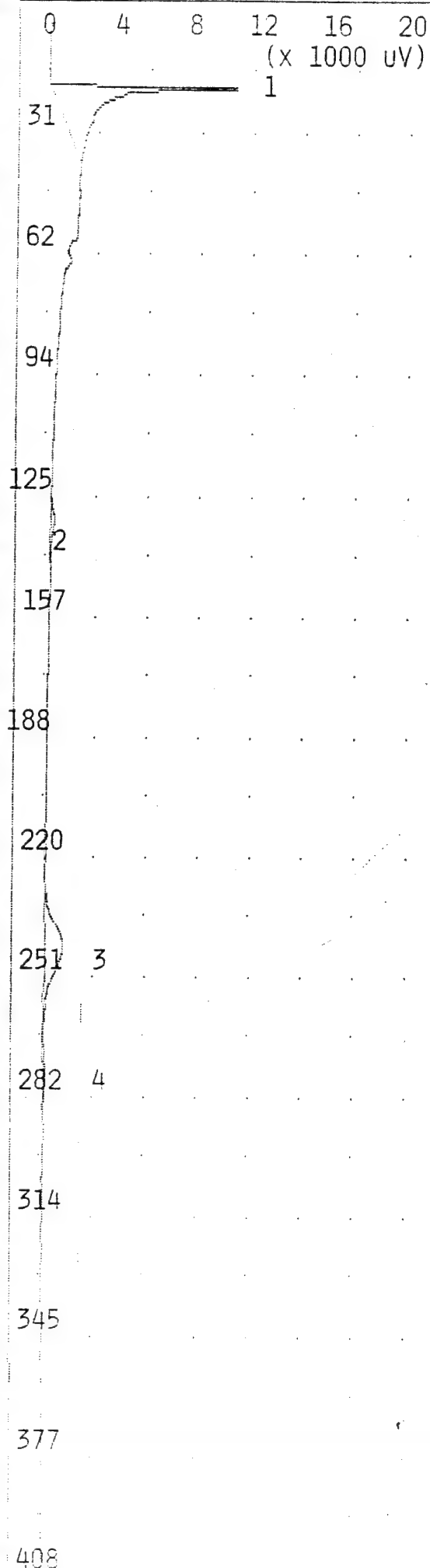
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.374 MVS | 16.4  |
| 2  | UNKNOWN       | 46.23 MVS | 17.9  |
| 3  | UNKNOWN       | 0.048 MVS | 45.0  |
| 4  | BENZENE       | 0.614 PPB | 62.9  |
| 5  | TOLUENE       | 2.216 PPB | 129.6 |
| 6  | UNKNOWN       | 7.080 MVS | 241.8 |
| 7  | ETHYLBENZENE  | 5.059 PPB | 272.0 |
| 8  | MP-XYLENE     | 5.527 PPB | 292.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-003PZ 3.5- 5.0



TIME PRINTED: NOV 12,94 11:42

SAMPLE TIME: NOV 12,94 11:35

## METHOD

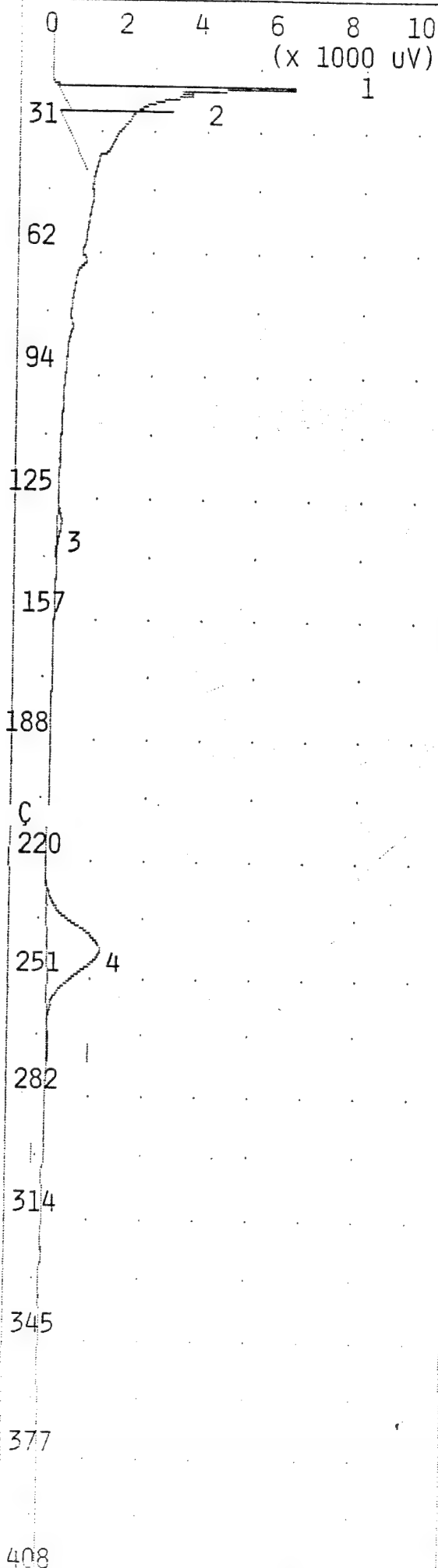
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 39.41 MVS | 17.9  |
| 2  | TOLUENE       | 1.326 PPB | 129.8 |
| 3  | UNKNOWN       | 16.15 MVS | 241.8 |
| 4  | ETHYLBENZENE  | 0.411 PPB | 270.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-003PZ 8.5-10.0



TIME PRINTED: NOV 12,94 11:52

SAMPLE TIME: NOV 12,94 11:45

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

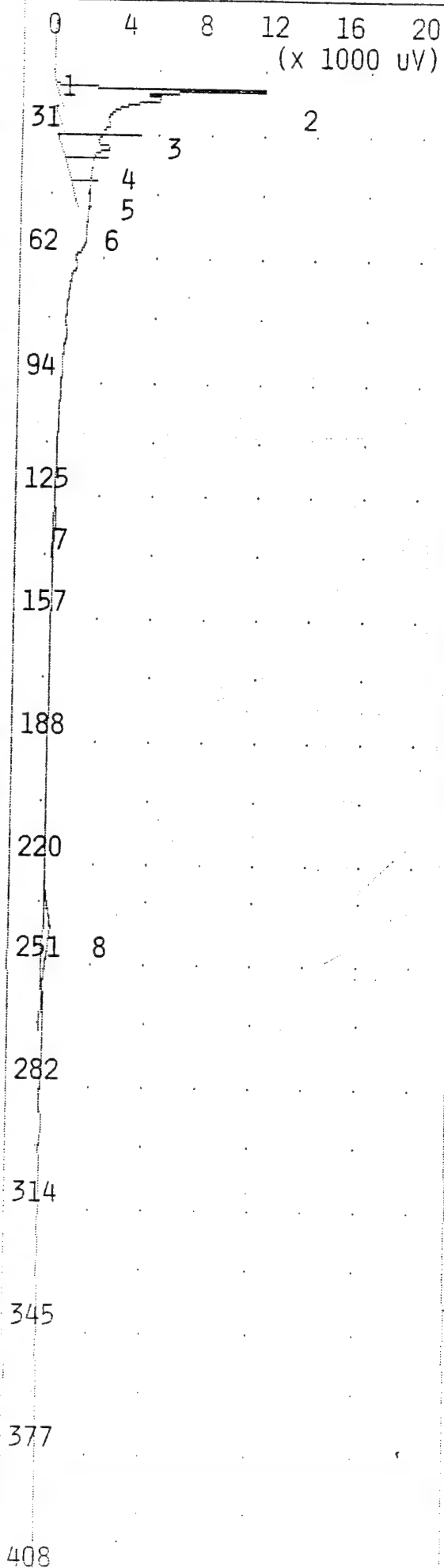
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.229 MVS | 18.0  |
| 2  | UNKNOWN       | 26.32 MVS | 19.7  |
| 3  | TOLUENE       | 0.785 PPB | 129.3 |
| 4  | UNKNOWN       | 22.12 MVS | 241.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-003PZ 13.5-15.0

## ANALYSIS #12 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 12:03

SAMPLE TIME: NOV 12,94 11:56

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

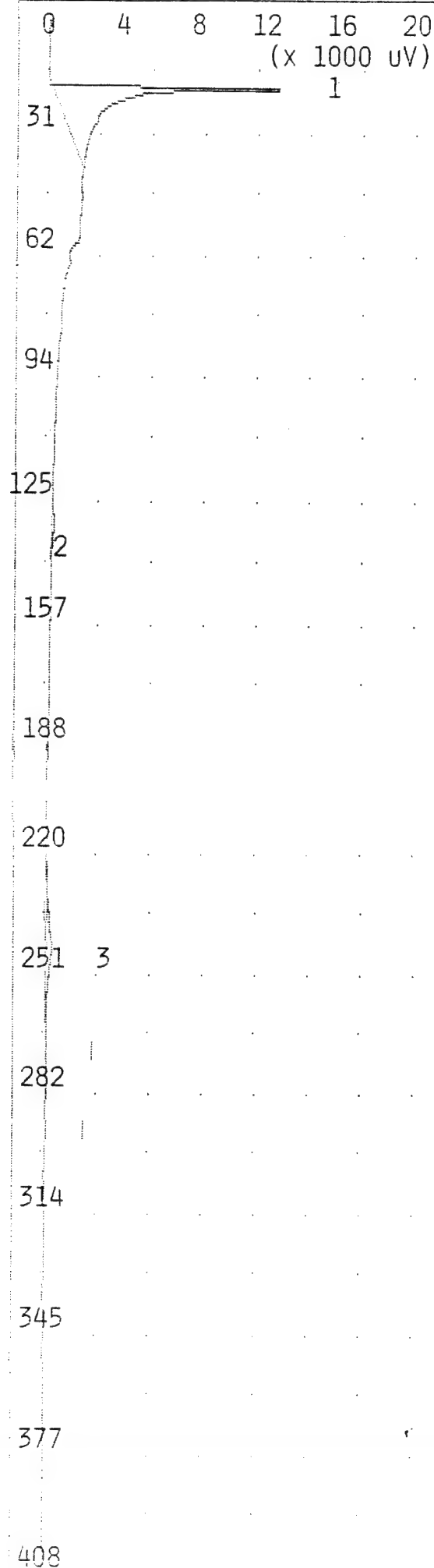
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.165 MVS | 16.7  |
| 2  | UNKNOWN       | 13.68 MVS | 17.8  |
| 3  | UNKNOWN       | 23.25 MVS | 20.3  |
| 4  | UNKNOWN       | 11.65 MVS | 26.6  |
| 5  | UNKNOWN       | 11.67 MVS | 32.6  |
| 6  | UNKNOWN       | 0.142 MVS | 44.8  |
| 7  | TOLUENE       | 0.790 PPB | 129.4 |
| 8  | UNKNOWN       | 5.298 MVS | 241.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
CB-003PZ 18.5-20.0

## ANALYSIS #13 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 12,94 12:17

SAMPLE TIME: Nov 12,94 12:09

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000

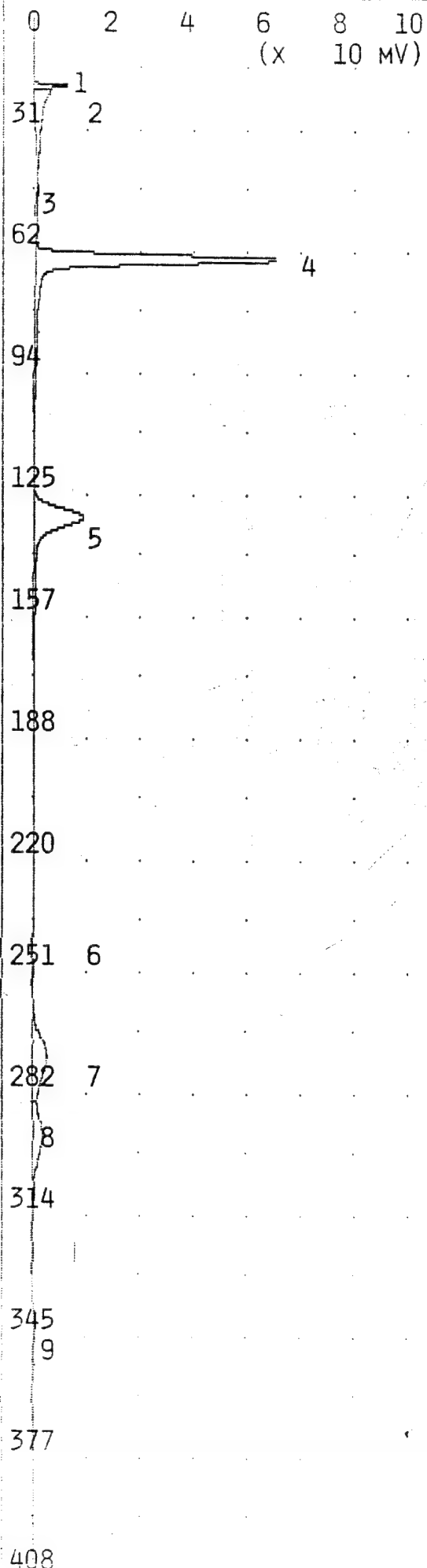
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 44.91 MVS | 17.8  |
| 2  | TOLUENE       | 0.671 PPB | 129.0 |
| 3  | UNKNOWN       | 4.292 MVS | 241.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-003PZ 23.5-24.5



TIME PRINTED: NOV 12,94 12:27

SAMPLE TIME: NOV 12,94 12:20

## METHOD

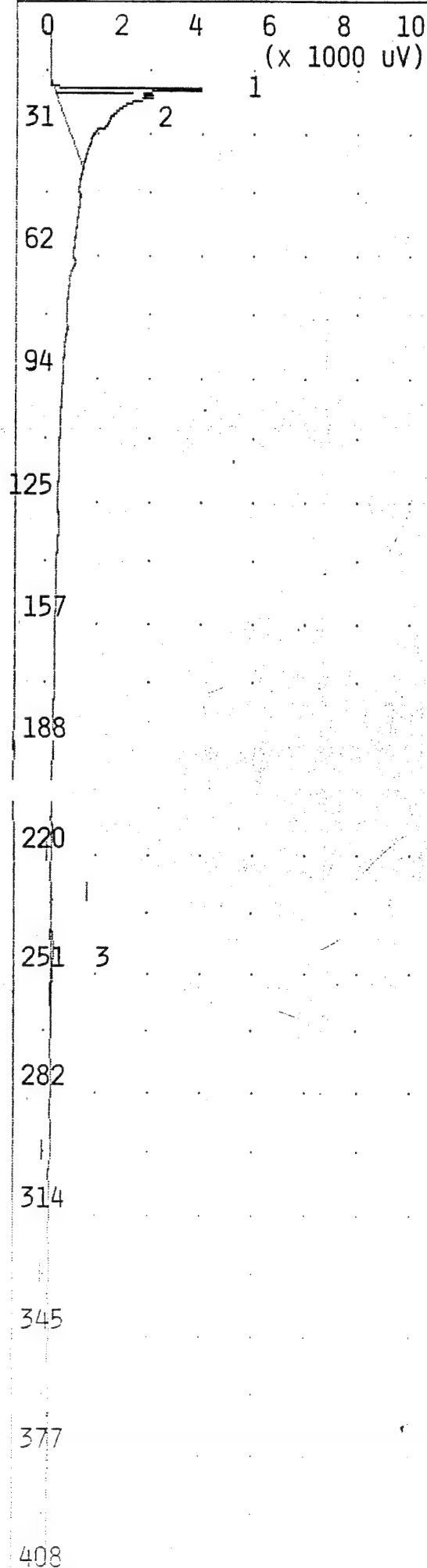
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.874 MVS | 17.8  |
| 2  | UNKNOWN       | 35.41 MVS | 19.6  |
| 3  | UNKNOWN       | 0.052 MVS | 45.2  |
| 4  | BENZENE       | 86.95 PPB | 62.7  |
| 5  | TOLUENE       | 98.45 PPB | 129.4 |
| 6  | UNKNOWN       | 3.042 MVS | 239.4 |
| 7  | ETHYLBENZENE  | 92.69 PPB | 271.2 |
| 8  | MP-XYLENE     | 188.7 PPB | 292.0 |
| 9  | O-XYLENE      | 102.5 PPB | 345.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: Nov 12,94 12:37

SAMPLE TIME: Nov 12,94 12:30

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

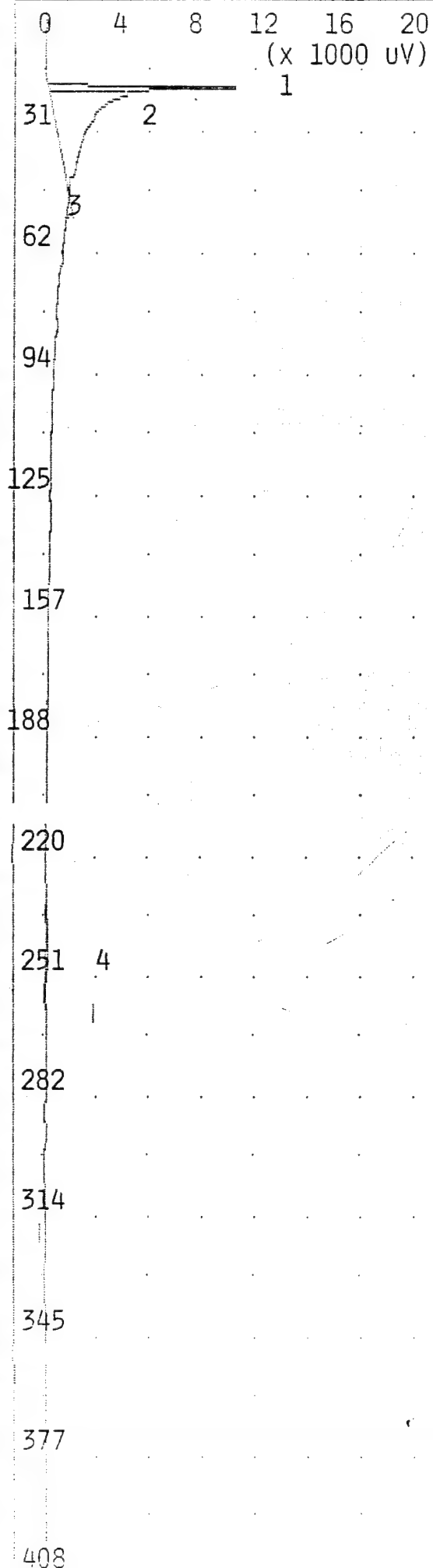
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.777 MVS | 17.8  |
| 2  | UNKNOWN       | 18.90 MVS | 19.6  |
| 3  | UNKNOWN       | 0.669 MVS | 239.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK





TIME PRINTED: NOV 12,94 12:47

SAMPLE TIME: NOV 12,94 12:40

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

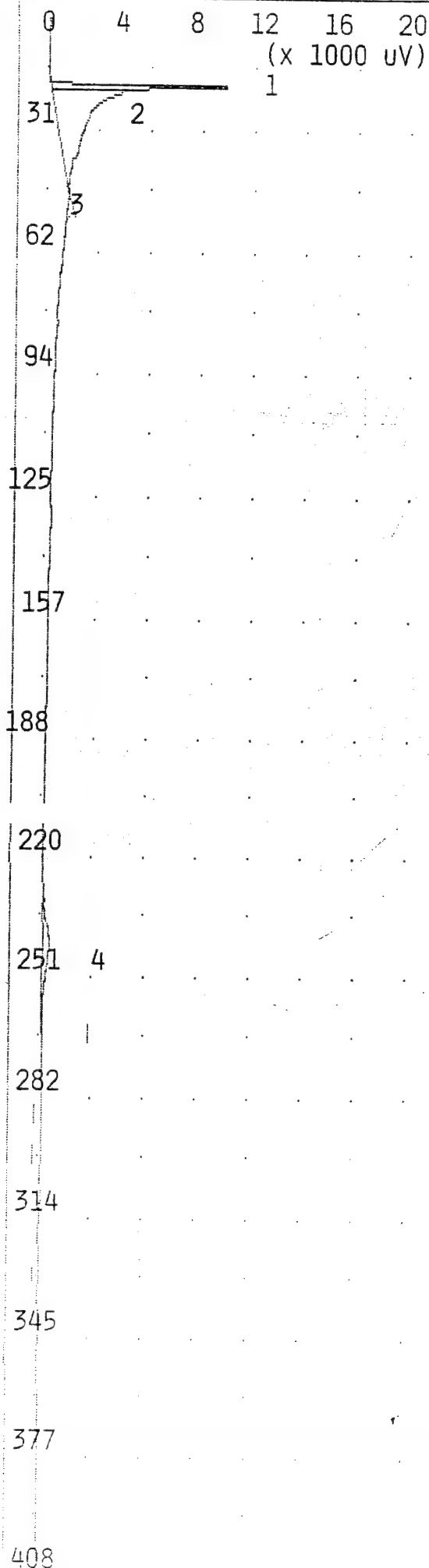
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 12.08 MVS | 17.8  |
| 2  | UNKNOWN       | 39.36 MVS | 19.5  |
| 3  | UNKNOWN       | 0.158 MVS | 44.7  |
| 4  | UNKNOWN       | 1.431 MVS | 241.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 1.0- 2.5

## ANALYSIS #17

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 12,94 12:59

SAMPLE TIME: Nov 12,94 12:52

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 11.27 MVS | 17.8  |
| 2  | UNKNOWN       | 33.34 MVS | 19.5  |
| 3  | UNKNOWN       | 0.125 MVS | 44.9  |
| 4  | UNKNOWN       | 5.118 MVS | 240.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 8.5-10.0

0 2 4 6 8 10  
(x 1000 uV)

TIME PRINTED: Nov 12,94 13:10

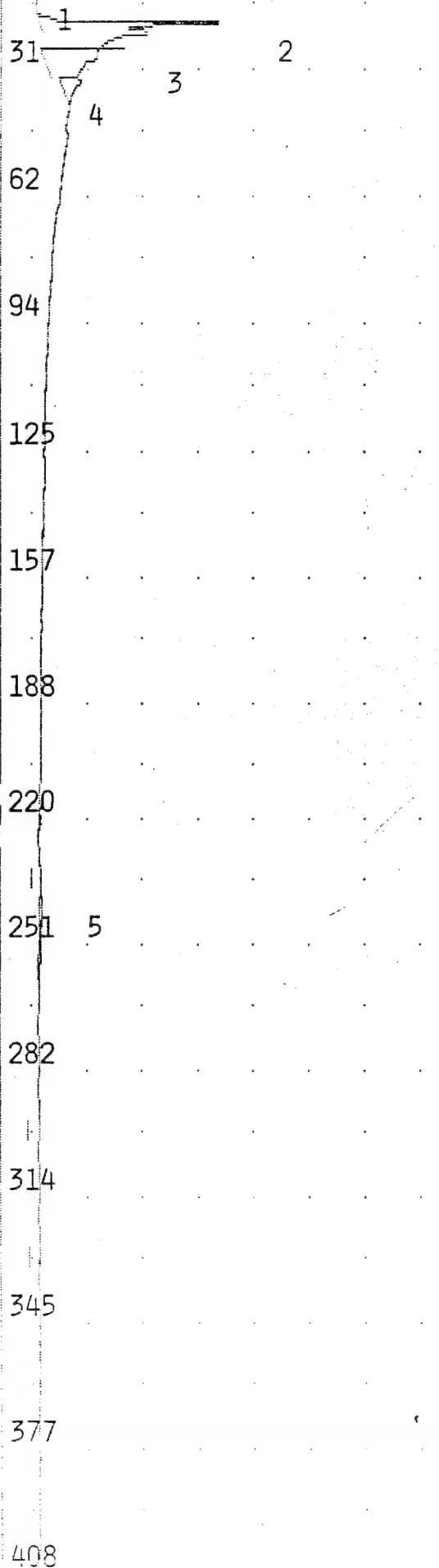
SAMPLE TIME: Nov 12,94 13:02

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

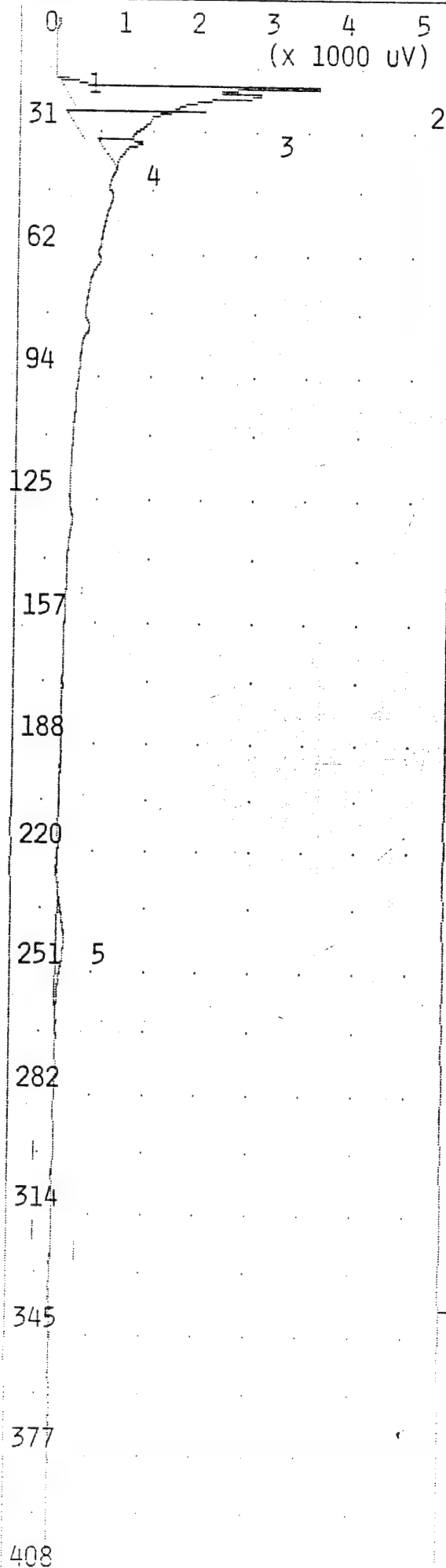
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.295 MVS | 16.4  |
| 2  | UNKNOWN       | 5.918 MVS | 17.8  |
| 3  | UNKNOWN       | 16.58 MVS | 20.2  |
| 4  | UNKNOWN       | 1.802 MVS | 32.6  |
| 5  | UNKNOWN       | 0.649 MVS | 239.6 |



## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 13.5-14.0

ANALYSIS #19 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 13:20  
SAMPLE TIME: NOV 12,94 13:13

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

PEAK REPORT

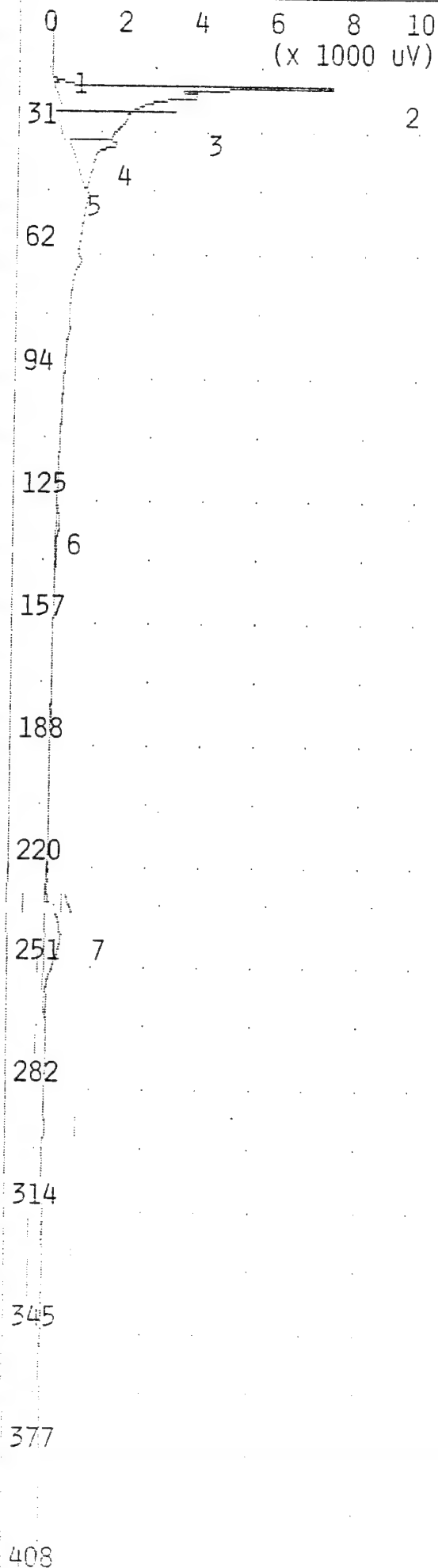
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.294 MVS | 16.4  |
| 2  | UNKNOWN       | 4.433 MVS | 17.8  |
| 3  | UNKNOWN       | 15.70 MVS | 20.1  |
| 4  | UNKNOWN       | 1.862 MVS | 32.4  |
| 5  | UNKNOWN       | 1.423 MVS | 242.1 |

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 18.5-19.0

## ANALYSIS #20

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 13:31

SAMPLE TIME: NOV 12,94 13:23

## METHOD

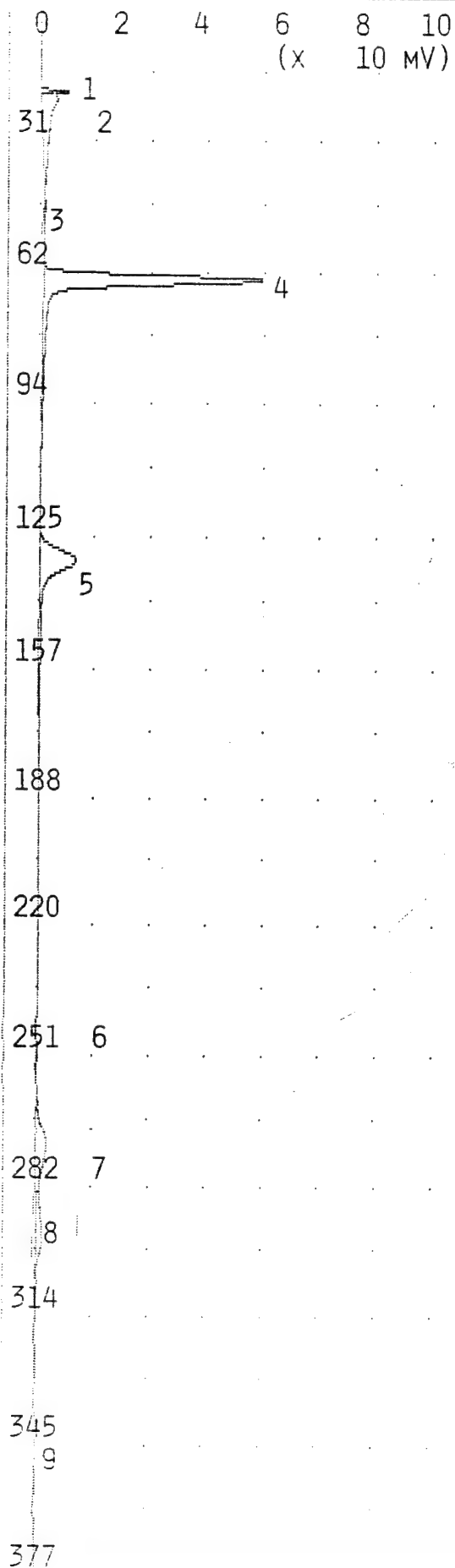
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.266 MVS | 16.6  |
| 2  | UNKNOWN       | 9.311 MVS | 17.9  |
| 3  | UNKNOWN       | 25.26 MVS | 20.2  |
| 4  | UNKNOWN       | 6.798 MVS | 32.5  |
| 5  | UNKNOWN       | 0.263 MVS | 45.2  |
| 6  | TOLUENE       | 0.542 PPB | 129.2 |
| 7  | UNKNOWN       | 5.865 MVS | 240.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 28.5-29.0



TIME PRINTED: NOV 12,94 13:41

SAMPLE TIME: NOV 12,94 13:34

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.957 MVS | 17.7  |
| 2  | UNKNOWN       | 36.96 MVS | 19.5  |
| 3  | UNKNOWN       | 0.049 MVS | 45.2  |
| 4  | BENZENE       | 76.75 PPB | 62.6  |
| 5  | TOLUENE       | 71.92 PPB | 129.2 |
| 6  | UNKNOWN       | 2.443 MVS | 240.5 |
| 7  | ETHYLBENZENE  | 59.79 PPB | 270.6 |
| 8  | MP-XYLENE     | 114.0 PPB | 291.7 |
| 9  | O-XYLENE      | 65.68 PPB | 343.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 12,94 13:45

SAMPLE TIME: NOV 12,94 13:34

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

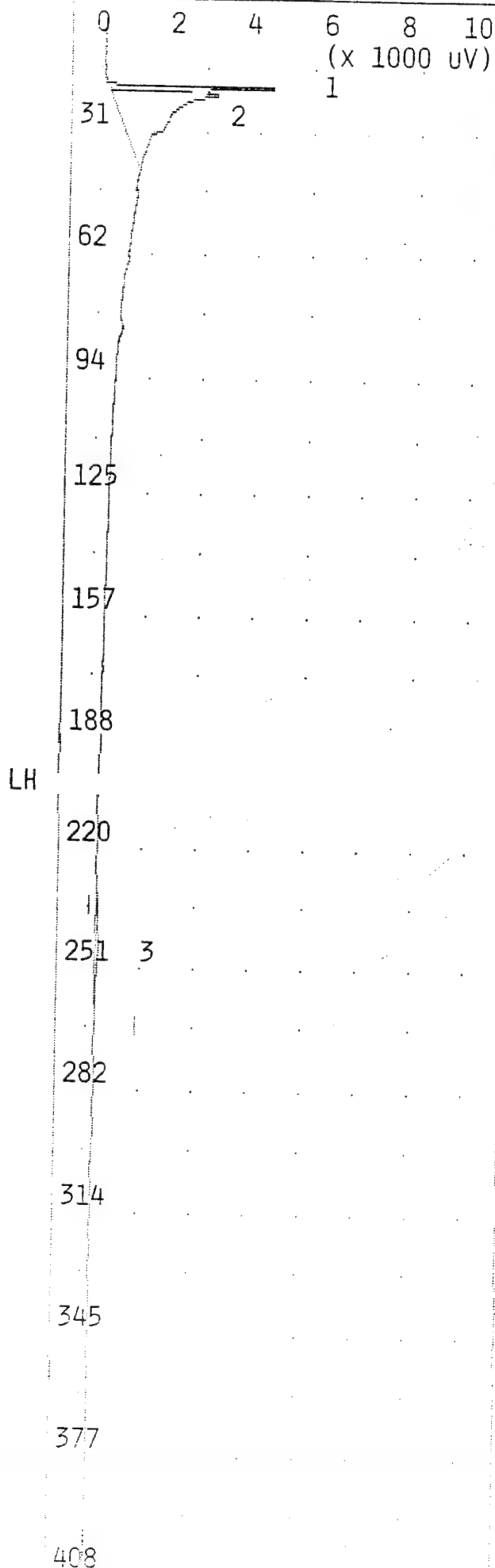
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.957 MVS | 17.7  |
| 2  | UNKNOWN       | 36.96 MVS | 19.5  |
| 3  | UNKNOWN       | 0.049 MVS | 45.2  |
| 4  | BENZENE       | 100.0 PPB | 62.6  |
| 5  | TOLUENE       | 100.0 PPB | 129.2 |
| 6  | UNKNOWN       | 2.443 MVS | 240.5 |
| 7  | ETHYLBENZENE  | 99.99 PPB | 270.6 |
| 8  | MP-XYLENE     | 200.0 PPB | 291.7 |
| 9  | O-XYLENE      | 100.0 PPB | 343.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

1  
31 2  
3  
62 4  
94  
125  
5  
157  
188  
220  
251 6  
282 7  
8  
314  
345  
9  
377  
408



TIME PRINTED: NOV 12,94 13:57

SAMPLE TIME: NOV 12,94 13:50

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

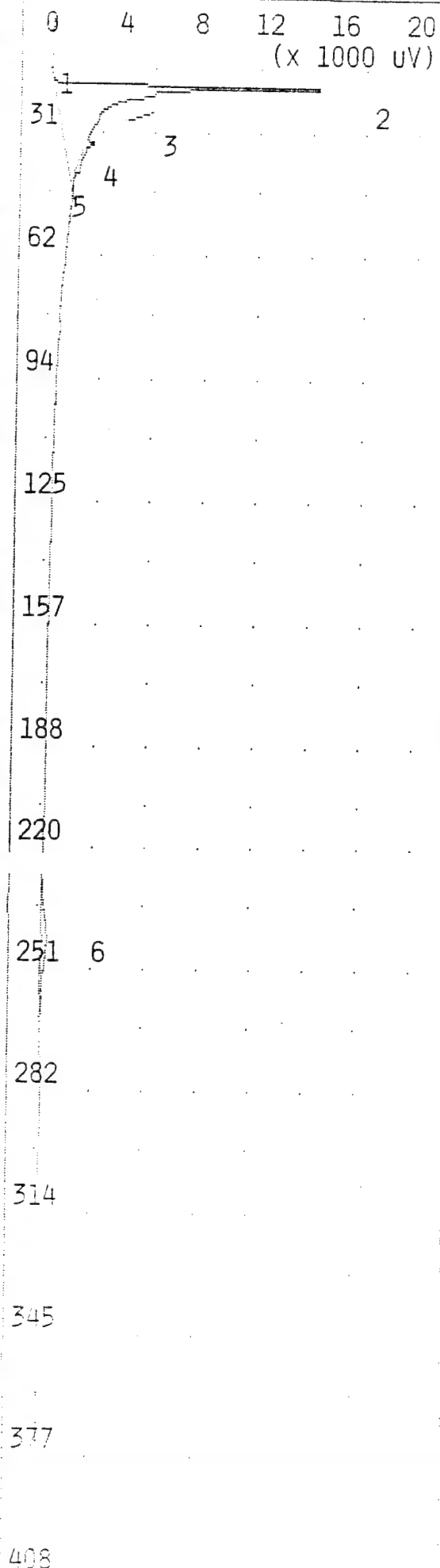
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.975 MVS | 17.8  |
| 2  | UNKNOWN       | 21.26 MVS | 19.5  |
| 3  | UNKNOWN       | 0.988 MVS | 242.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK





TIME PRINTED: NOV 12,94 14:08

SAMPLE TIME: NOV 12,94 14:00

## METHOD

|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 30    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

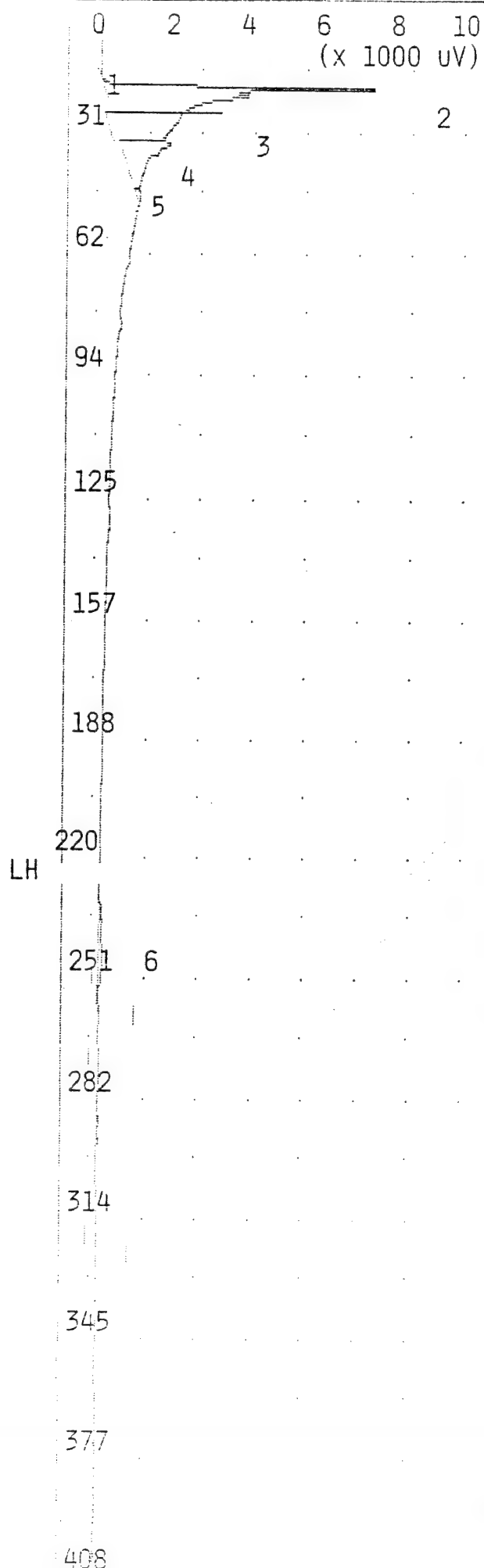
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.206 MVS | 16.4  |
| 2  | UNKNOWN       | 58.42 MVS | 17.8  |
| 3  | UNKNOWN       | 0.935 MVS | 19.4  |
| 4  | UNKNOWN       | 1.455 MVS | 32.4  |
| 5  | UNKNOWN       | 0.025 MVS | 45.0  |
| 6  | UNKNOWN       | 3.951 MVS | 239.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGUS  
CB-004PZ 33.5-34.0

ANALYSIS #24 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 14:18

SAMPLE TIME: NOV 12,94 14:11

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 30 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.176 MVS | 16.3  |
| 2  | UNKNOWN       | 9.065 MVS | 17.7  |
| 3  | UNKNOWN       | 26.30 MVS | 19.5  |
| 4  | UNKNOWN       | 7.863 MVS | 32.4  |
| 5  | UNKNOWN       | 0.401 MVS | 45.1  |
| 6  | UNKNOWN       | 1.325 MVS | 240.2 |

NOTES

JOE BYRD, JR.  
 COOS BAY AN S  
 CB-004PZ 38.5-39.0

0 4 8 12 16 20  
(x 1000 uV)

TIME PRINTED: NOV 12,94 14:28

SAMPLE TIME: NOV 12,94 14:21

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.402 MVS | 16.4  |
| 2  | UNKNOWN       | 11.26 MVS | 17.7  |
| 3  | UNKNOWN       | 17.86 MVS | 19.5  |
| 4  | UNKNOWN       | 11.53 MVS | 25.9  |
| 5  | UNKNOWN       | 10.14 MVS | 32.4  |
| 6  | UNKNOWN       | 0.158 MVS | 44.8  |
| 7  | UNKNOWN       | 3.633 MVS | 240.5 |

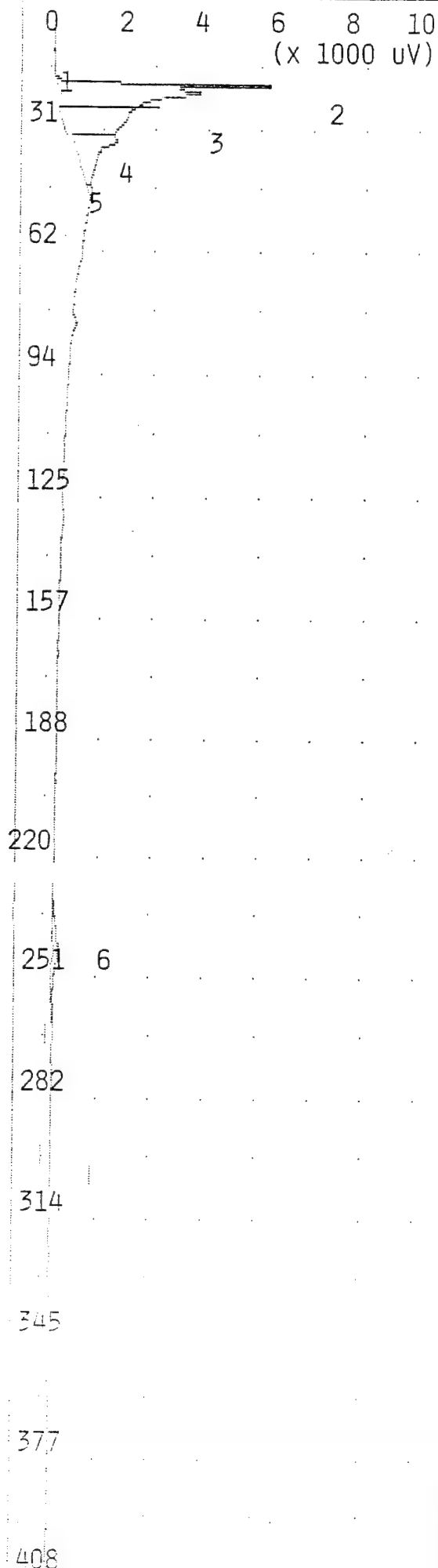
## NOTES

JOE BYRD, JR.  
COOS BAY ANS  
CB-004PZ ~~34.75~~ 44.0  
43.5

1  
31  
3  
4  
5  
62  
6  
94  
125  
157  
188  
220  
251 7  
282  
314  
345  
377  
408

## ANALYSIS #26

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 14:39

SAMPLE TIME: NOV 12,94 14:31

## METHOD

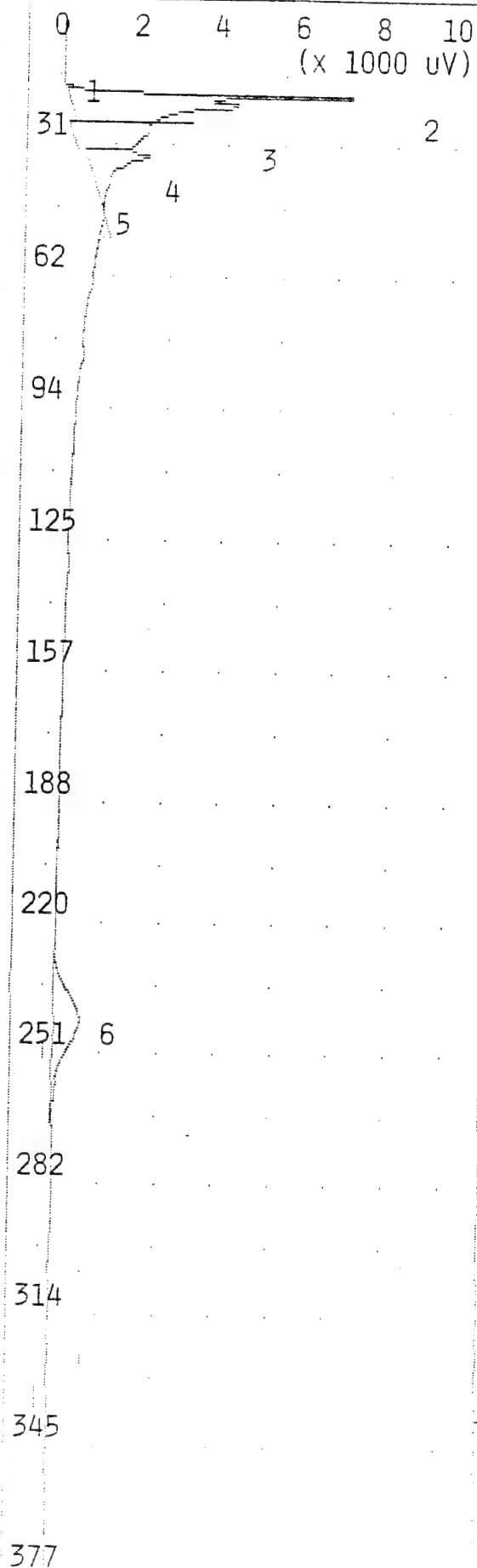
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.162 MVS | 16.3  |
| 2  | UNKNOWN       | 6.872 MVS | 17.7  |
| 3  | UNKNOWN       | 25.26 MVS | 19.5  |
| 4  | UNKNOWN       | 6.773 MVS | 32.4  |
| 5  | UNKNOWN       | 0.297 MVS | 45.9  |
| 6  | UNKNOWN       | 1.905 MVS | 240.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 48.5-49.0



TIME PRINTED: NOV 12,94 14:49

SAMPLE TIME: NOV 12,94 14:41

## METHOD

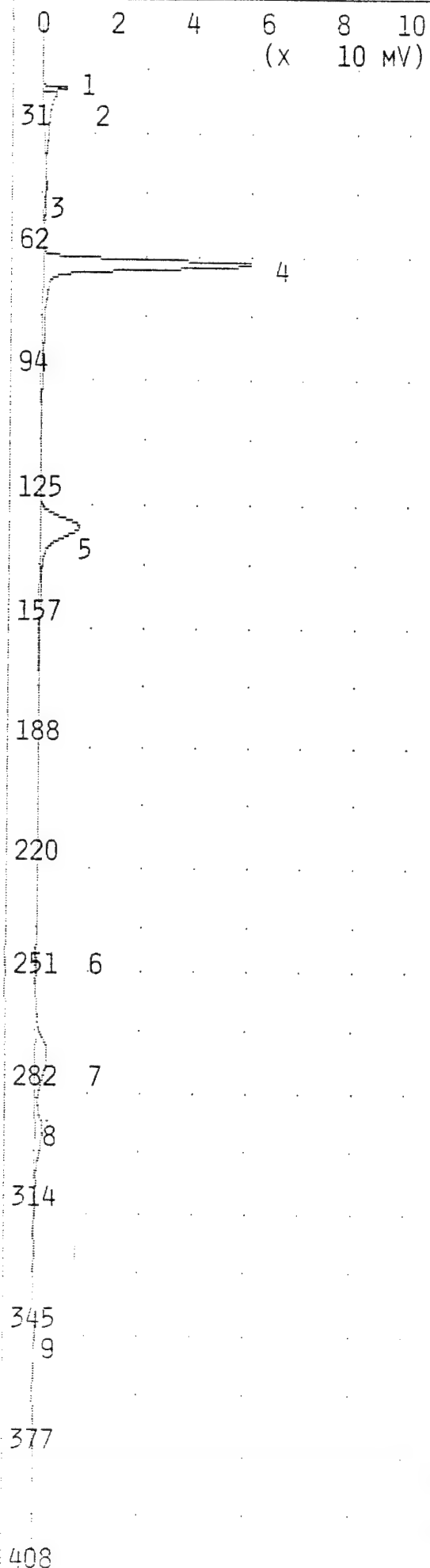
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.429 MVS | 16.4  |
| 2  | UNKNOWN       | 8.569 MVS | 17.8  |
| 3  | UNKNOWN       | 26.98 MVS | 20.2  |
| 4  | UNKNOWN       | 7.652 MVS | 32.4  |
| 5  | UNKNOWN       | 0.107 MVS | 45.0  |
| 6  | UNKNOWN       | 10.18 MVS | 241.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 58.5-59.0



TIME PRINTED: NOV 12,94 14:59

SAMPLE TIME: NOV 12,94 14:52

## METHOD

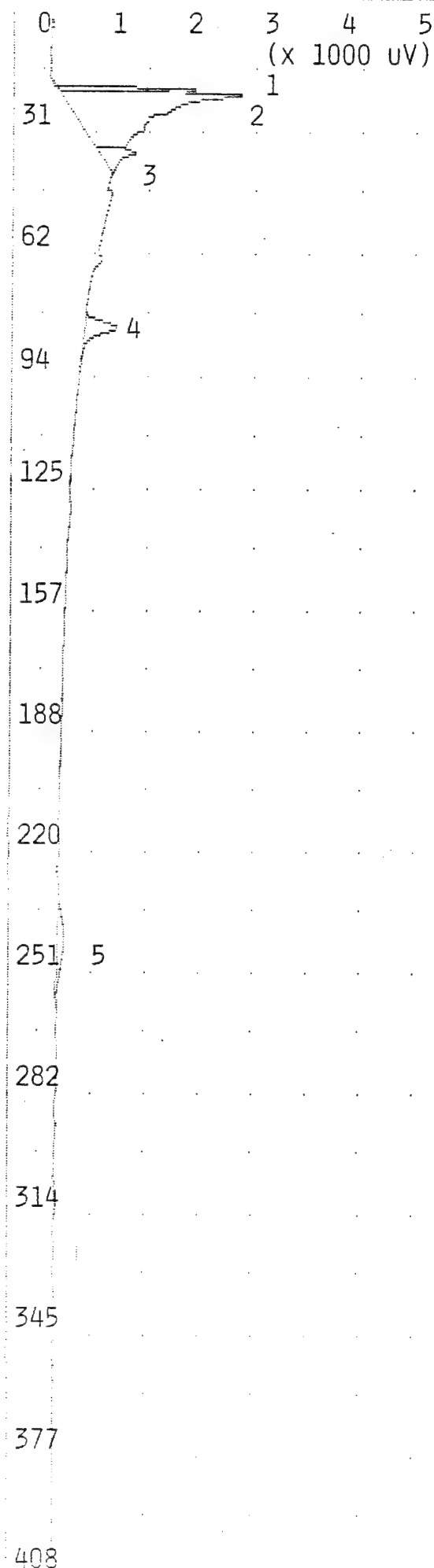
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.484 MVS | 17.8  |
| 2  | UNKNOWN       | 29.58 MVS | 19.6  |
| 3  | UNKNOWN       | 0.100 MVS | 44.8  |
| 4  | BENZENE       | 100.7 PPB | 62.6  |
| 5  | TOLUENE       | 105.5 PPB | 129.3 |
| 6  | UNKNOWN       | 3.033 MVS | 241.8 |
| 7  | ETHYLBENZENE  | 106.0 PPB | 270.9 |
| 8  | MP-XYLENE     | 218.1 PPB | 291.4 |
| 9  | O-XYLENE      | 108.5 PPB | 342.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: NOV 12,94 15:09

SAMPLE TIME: NOV 12,94 15:02

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

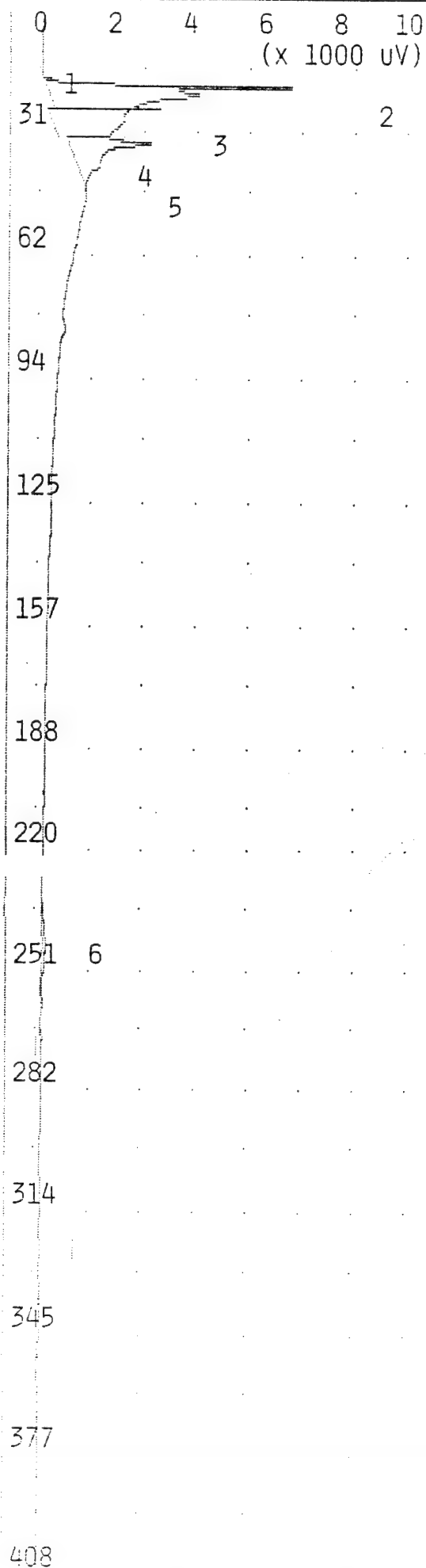
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.146 MVS | 18.0  |
| 2  | UNKNOWN       | 16.23 MVS | 19.8  |
| 3  | UNKNOWN       | 1.532 MVS | 34.8  |
| 4  | UNKNOWN       | 1.555 MVS | 79.6  |
| 5  | UNKNOWN       | 1.158 MVS | 239.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK

## ANALYSIS #30 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 15:19

SAMPLE TIME: NOV 12,94 15:12

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 31 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

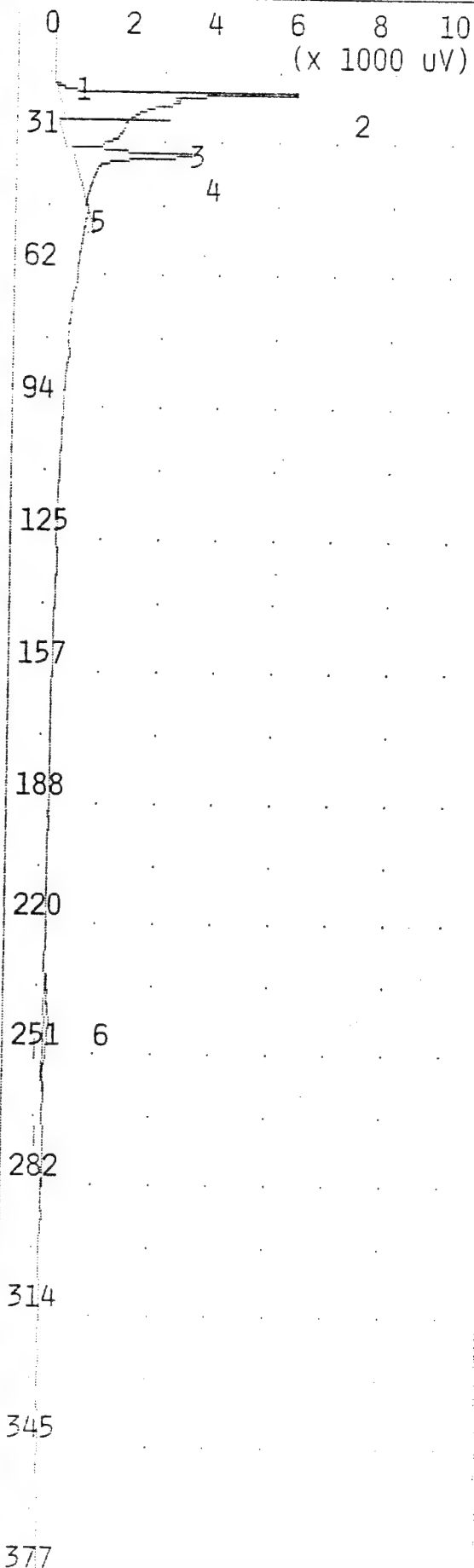
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.403 MVS | 16.4  |
| 2  | UNKNOWN       | 7.733 MVS | 17.6  |
| 3  | UNKNOWN       | 26.52 MVS | 19.5  |
| 4  | UNKNOWN       | 0.178 MVS | 26.1  |
| 5  | UNKNOWN       | 9.500 MVS | 32.4  |
| 6  | UNKNOWN       | 1.046 MVS | 240.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 63.5-64.0



ANALYSIS #31 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 15:30

SAMPLE TIME: NOV 12,94 15:22

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.248 MVS | 16.4  |
| 2  | UNKNOWN       | 7.497 MVS | 17.8  |
| 3  | UNKNOWN       | 20.08 MVS | 19.6  |
| 4  | UNKNOWN       | 8.989 MVS | 32.5  |
| 5  | UNKNOWN       | 0.027 MVS | 45.1  |
| 6  | UNKNOWN       | 1.477 MVS | 238.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 CB-004PZ 68.5-69.0

0 4 8 12 16 20  
(x 1000 UV)

TIME PRINTED: NOV 12,94 15:40

SAMPLE TIME: NOV 12,94 15:32

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 31 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.460 MVS | 16.3  |
| 2  | UNKNOWN       | 12.47 MVS | 17.7  |
| 3  | UNKNOWN       | 31.55 MVS | 19.4  |
| 4  | UNKNOWN       | 14.28 MVS | 32.4  |
| 5  | UNKNOWN       | 0.055 MVS | 45.0  |
| 6  | UNKNOWN       | 16.43 MVS | 240.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004PZ 73.5-74.0

LH

220

251

6

282

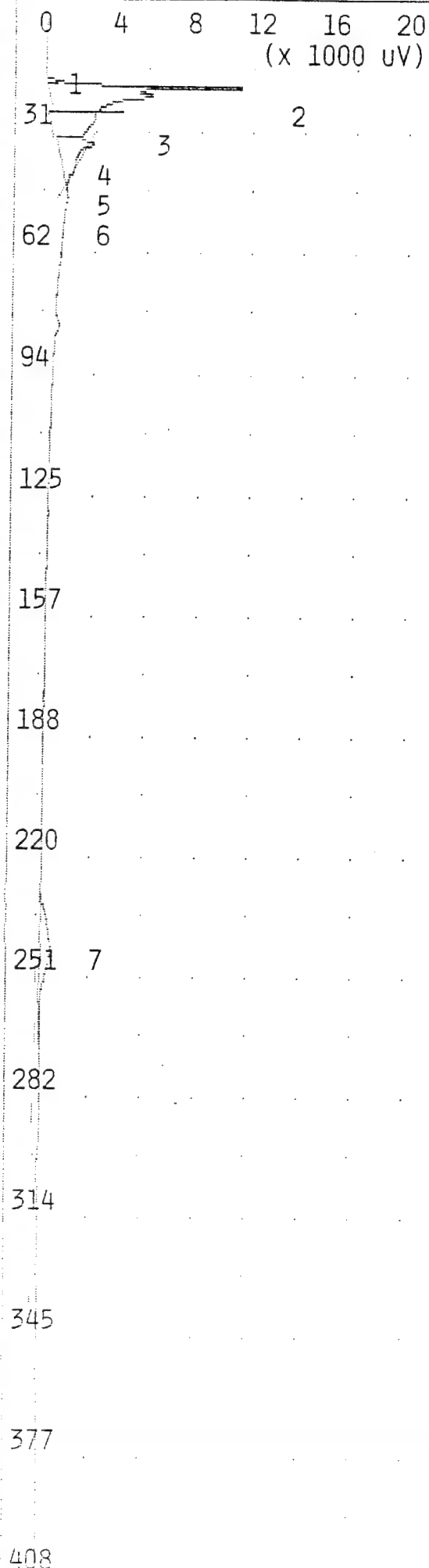
314

345

377

408

# ANALYSIS #33 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 12,94 15:50  
 SAMPLE TIME: NOV 12,94 15:43

## METHOD

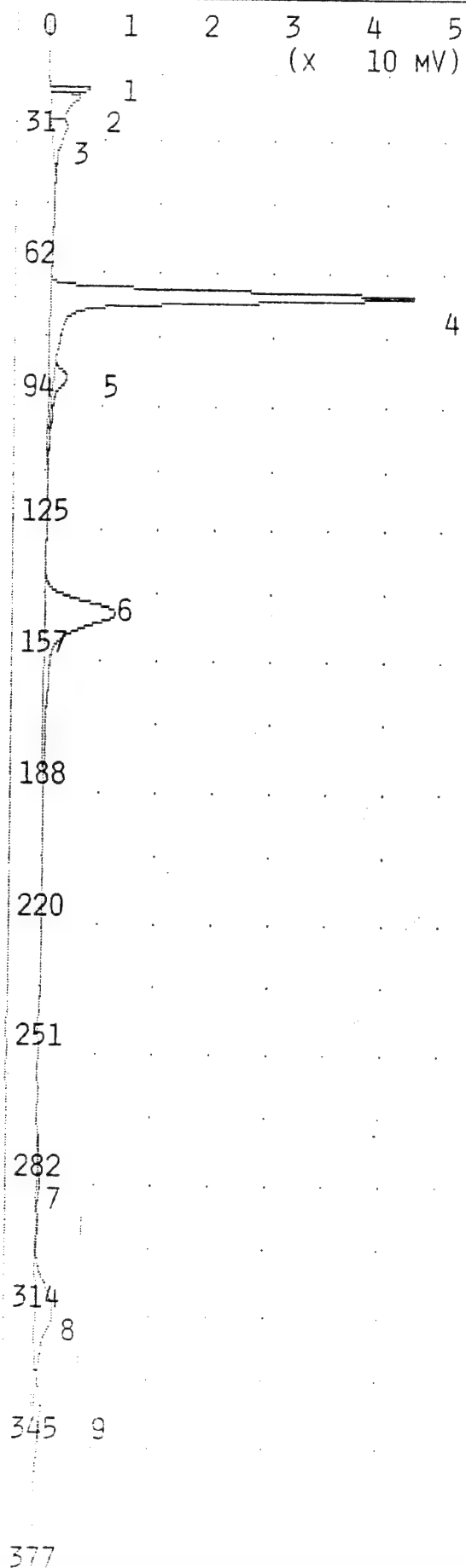
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 31 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 0.957 MVS | 16.4  |
| 2  | UNKNOWN       | 12.23 MVS | 17.7  |
| 3  | UNKNOWN       | 33.83 MVS | 19.6  |
| 4  | UNKNOWN       | 0.353 MVS | 25.6  |
| 5  | UNKNOWN       | 10.71 MVS | 32.4  |
| 6  | UNKNOWN       | 0.021 MVS | 44.8  |
| 7  | UNKNOWN       | 8.478 MVS | 240.8 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 CB-004PZ 78.5-79.0



TIME PRINTED: Nov 14,94 09:04

SAMPLE TIME: Nov 14,94 08:56

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 35 C  
AMB TEMP 23 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.636 MVS | 16.8  |
| 2  | UNKNOWN       | 16.23 MVS | 18.7  |
| 3  | UNKNOWN       | 13.40 MVS | 25.7  |
| 4  | UNKNOWN       | 165.5 MVS | 66.2  |
| 5  | UNKNOWN       | 7.833 MVS | 85.7  |
| 6  | UNKNOWN       | 74.22 MVS | 143.6 |
| 7  | UNKNOWN       | 3.225 MVS | 281.3 |
| 8  | UNKNOWN       | 30.39 MVS | 310.4 |
| 9  | UNKNOWN       | 12.79 MVS | 334.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

0 2 4 6 8 10  
(X 10 MV)

TIME PRINTED: NOV 14,94 09:18

SAMPLE TIME: NOV 14,94 09:11

## METHOD

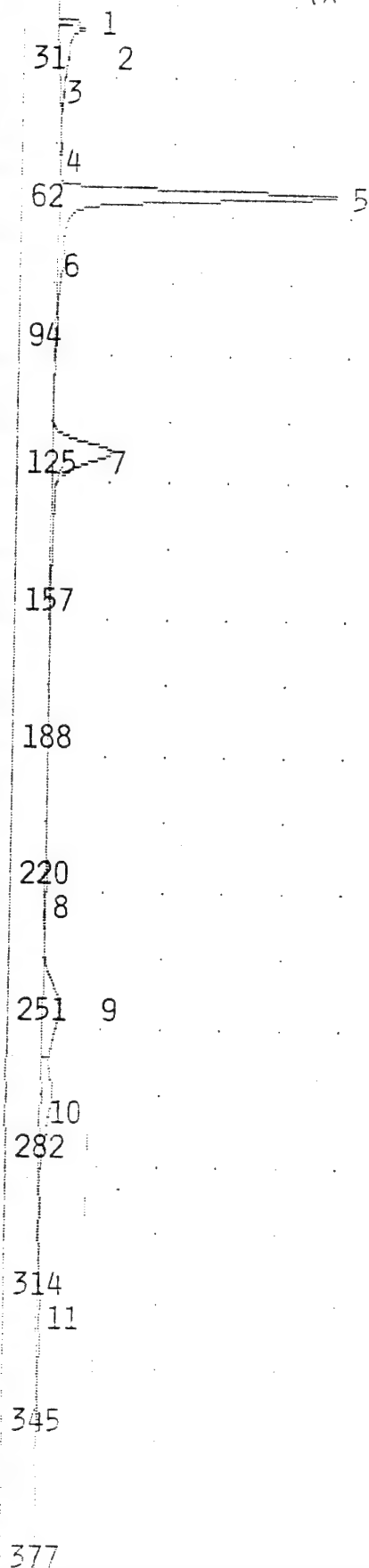
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 24 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

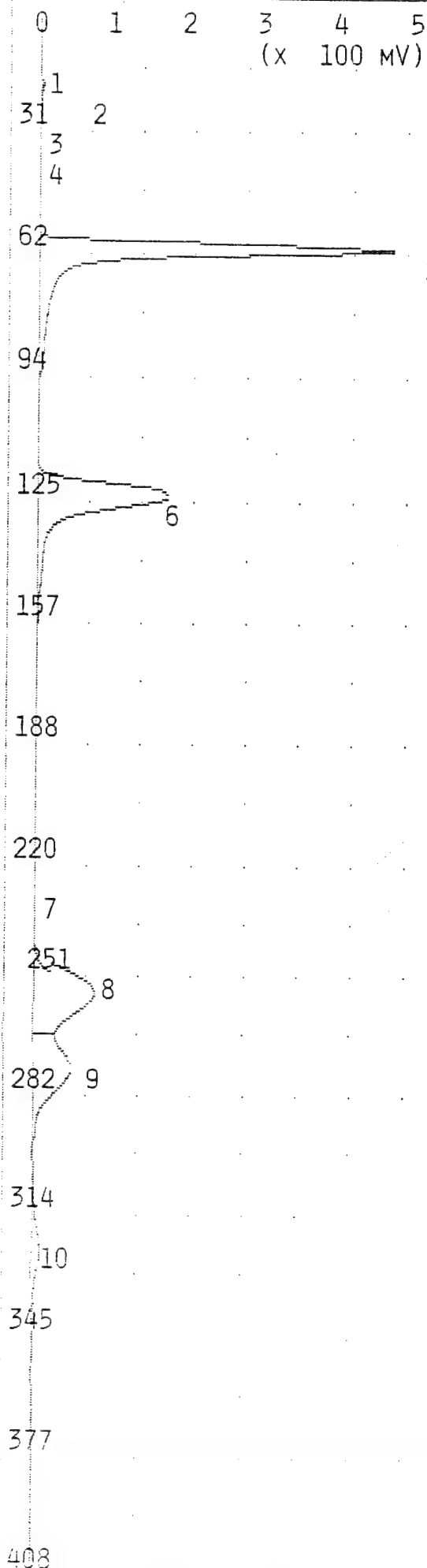
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.033 MVS | 16.8  |
| 2  | UNKNOWN       | 43.45 MVS | 18.4  |
| 3  | UNKNOWN       | 0.895 MVS | 24.0  |
| 4  | UNKNOWN       | 0.100 MVS | 45.2  |
| 5  | UNKNOWN       | 215.6 MVS | 56.0  |
| 6  | UNKNOWN       | 3.079 MVS | 70.5  |
| 7  | UNKNOWN       | 96.80 MVS | 114.4 |
| 8  | UNKNOWN       | 5.479 MVS | 214.8 |
| 9  | UNKNOWN       | 58.39 MVS | 244.8 |
| 10 | UNKNOWN       | 46.90 MVS | 264.2 |
| 11 | UNKNOWN       | 13.71 MVS | 316.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX





TIME PRINTED: Nov 14,94 09:36

SAMPLE TIME: Nov 14,94 09:29

## METHOD

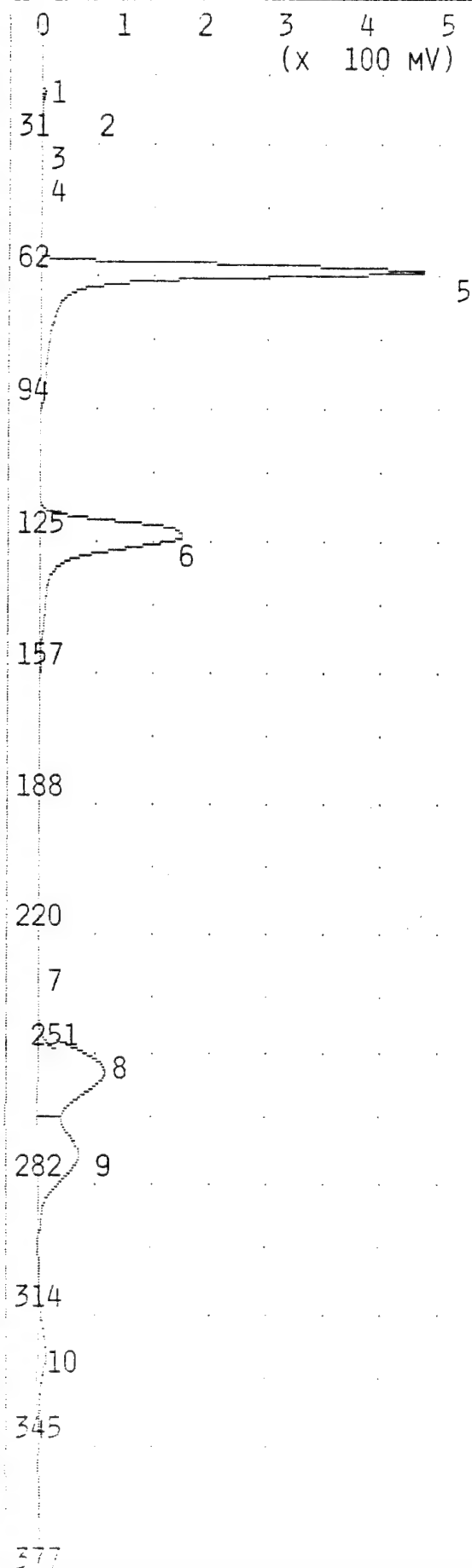
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.610 MVS | 16.8  |
| 2  | UNKNOWN       | 14.28 MVS | 18.5  |
| 3  | UNKNOWN       | 8.842 MVS | 24.8  |
| 4  | UNKNOWN       | 2.546 MVS | 32.8  |
| 5  | BENZENE       | 988.1 PPB | 59.8  |
| 6  | TOLUENE       | 1.563 PPM | 122.1 |
| 7  | UNKNOWN       | 2.511 MVS | 225.4 |
| 8  | ETHYLBENZENE  | 1.972 PPM | 253.6 |
| 9  | MP-XYLENE     | 3.231 PPM | 273.3 |
| 10 | O-XYLENE      | 1.482 PPM | 322.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX



TIME PRINTED: NOV 14,94 09:43

SAMPLE TIME: NOV 14,94 09:29

## METHOD

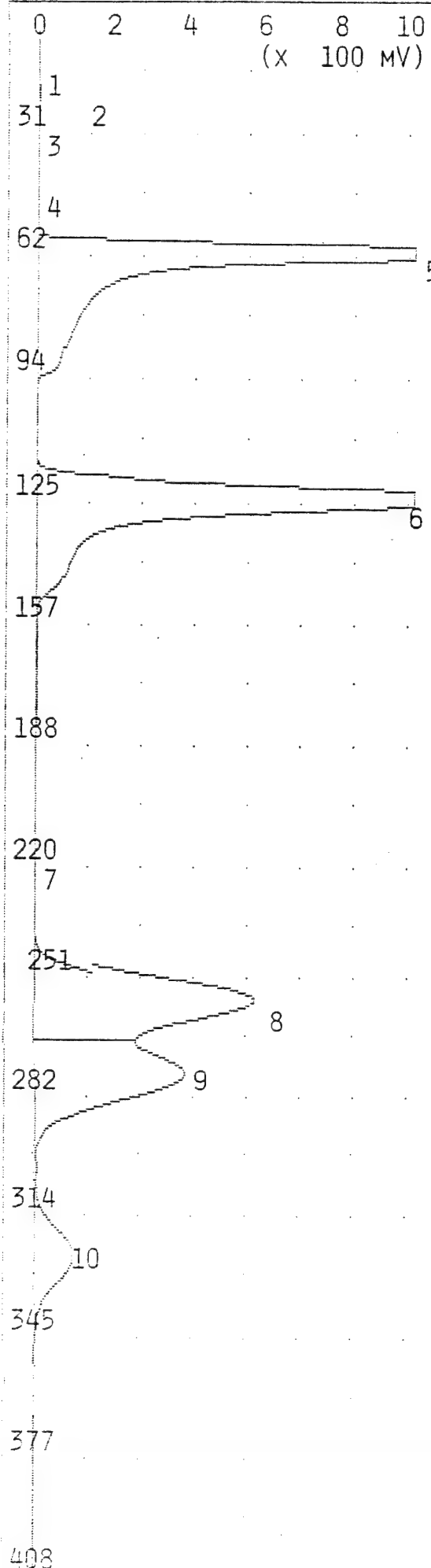
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.610 MVS | 16.8  |
| 2  | UNKNOWN       | 14.28 MVS | 18.5  |
| 3  | UNKNOWN       | 8.842 MVS | 24.8  |
| 4  | UNKNOWN       | 2.546 MVS | 32.8  |
| 5  | BENZENE       | 1.000 PPM | 59.8  |
| 6  | TOLUENE       | 1.000 PPM | 122.1 |
| 7  | UNKNOWN       | 2.511 MVS | 225.4 |
| 8  | ETHYLBENZENE  | 1.000 PPM | 253.6 |
| 9  | MP-XYLENE     | 2.006 PPM | 273.3 |
| 10 | O-XYLENE      | 1.085 PPM | 322.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX



TIME PRINTED: NOV 14,94 09:54

SAMPLE TIME: NOV 14,94 09:47

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.180 MVS | 16.8  |
| 2  | UNKNOWN       | 40.95 MVS | 18.4  |
| 3  | UNKNOWN       | 0.442 MVS | 32.6  |
| 4  | UNKNOWN       | 0.069 MVS | 44.8  |
| 5  | BENZENE       | 6.276 PPM | 59.8  |
| 6  | TOLUENE       | 8.029 PPM | 122.4 |
| 7  | UNKNOWN       | 5.559 MVS | 221.4 |
| 8  | ETHYLBENZENE  | 7.365 PPM | 255.2 |
| 9  | MP-XYLENE     | 16.43 PPM | 274.4 |
| 10 | O-XYLENE      | 9.238 PPM | 322.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX



## ANALYSIS #4

# IOS+ GC FUNCTION ANALYSIS REPORT

0      2      4      6      8      10

(x 100 mV)

TIME PRINTED: NOV 14,94 10:00

SAMPLE TIME: NOV 14, 94 09:47

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 26 C

|          |      |
|----------|------|
| MAX GAIN | 1000 |
|----------|------|

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK COMPOUND NAME | AREA/CONC | R.T. |
|------------------|-----------|------|
|------------------|-----------|------|

|   |         |           |      |
|---|---------|-----------|------|
| 1 | UNKNOWN | 5.180 MVS | 16.8 |
|---|---------|-----------|------|

|   |         |           |      |
|---|---------|-----------|------|
| 2 | UNKNOWN | 40.95 MVS | 18.4 |
|---|---------|-----------|------|

|   |         |           |      |
|---|---------|-----------|------|
| 3 | UNKNOWN | 0.442 mVS | 32.6 |
|---|---------|-----------|------|

|   |         |           |      |
|---|---------|-----------|------|
| 4 | UNKNOWN | 0.069 MVS | 44.8 |
|---|---------|-----------|------|

|   |         |           |      |
|---|---------|-----------|------|
| 5 | BENZENE | 10.00 PPM | 59.8 |
|---|---------|-----------|------|

|   |         |           |       |
|---|---------|-----------|-------|
| 6 | TOLUENE | 10.00 PPM | 122.4 |
|---|---------|-----------|-------|

|   |         |       |     |       |
|---|---------|-------|-----|-------|
| 7 | UNKNOWN | 5.559 | MVS | 221.4 |
|---|---------|-------|-----|-------|

|   |              |           |       |
|---|--------------|-----------|-------|
| 8 | ETHYLBENZENE | 10.00 PPM | 255.2 |
|---|--------------|-----------|-------|

|   |           |       |     |       |
|---|-----------|-------|-----|-------|
| 9 | MP-XYLENE | 20.00 | PPM | 274.4 |
|---|-----------|-------|-----|-------|

|             |           |       |
|-------------|-----------|-------|
| 10 O-XYLENE | 10.01 PPM | 322.6 |
|-------------|-----------|-------|

## NOTES

JOE BYRD, JR.

COOS BAY ANG

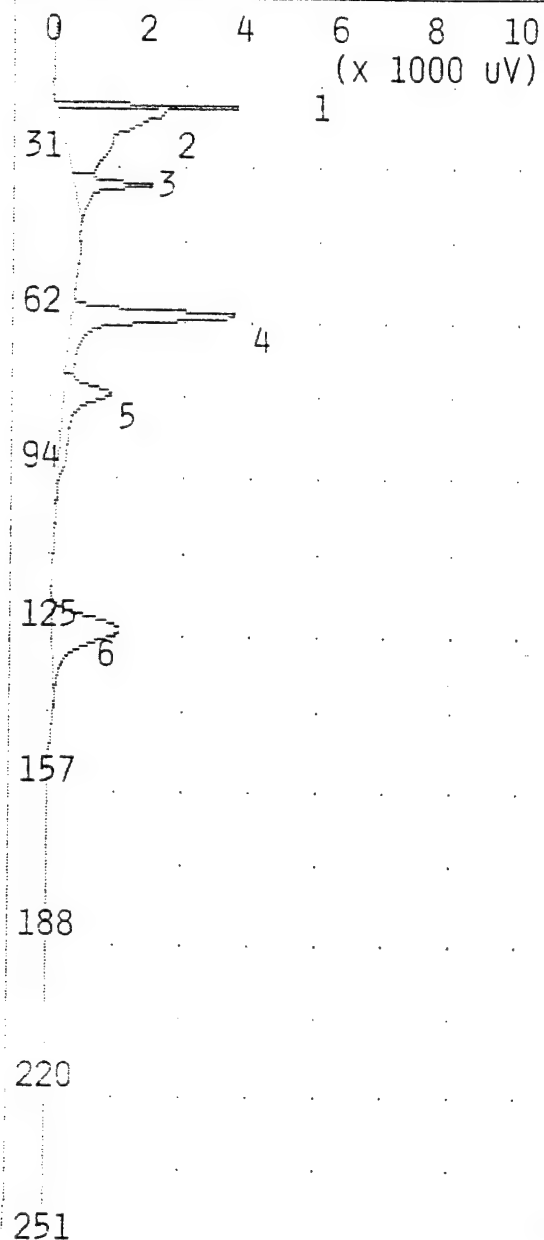
10 PPM BTEX

377

408

## ANALYSIS #5

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 14,94 10:10

SAMPLE TIME: Nov 14,94 10:03

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.892 MVS | 17.0  |
| 2  | UNKNOWN       | 15.11 MVS | 18.7  |
| 3  | UNKNOWN       | 4.273 MVS | 32.8  |
| 4  | BENZENE       | 5.437 PPB | 59.4  |
| 5  | UNKNOWN       | 5.866 MVS | 75.3  |
| 6  | TOLUENE       | 10.05 PPB | 122.1 |
| 7  | ETHYLBENZENE  | 20.92 PPB | 256.2 |
| 8  | MP-XYLENE     | 44.67 PPB | 275.4 |
| 9  | O-XYLENE      | 15.59 PPB | 325.3 |

7

282 8

314

9  
345

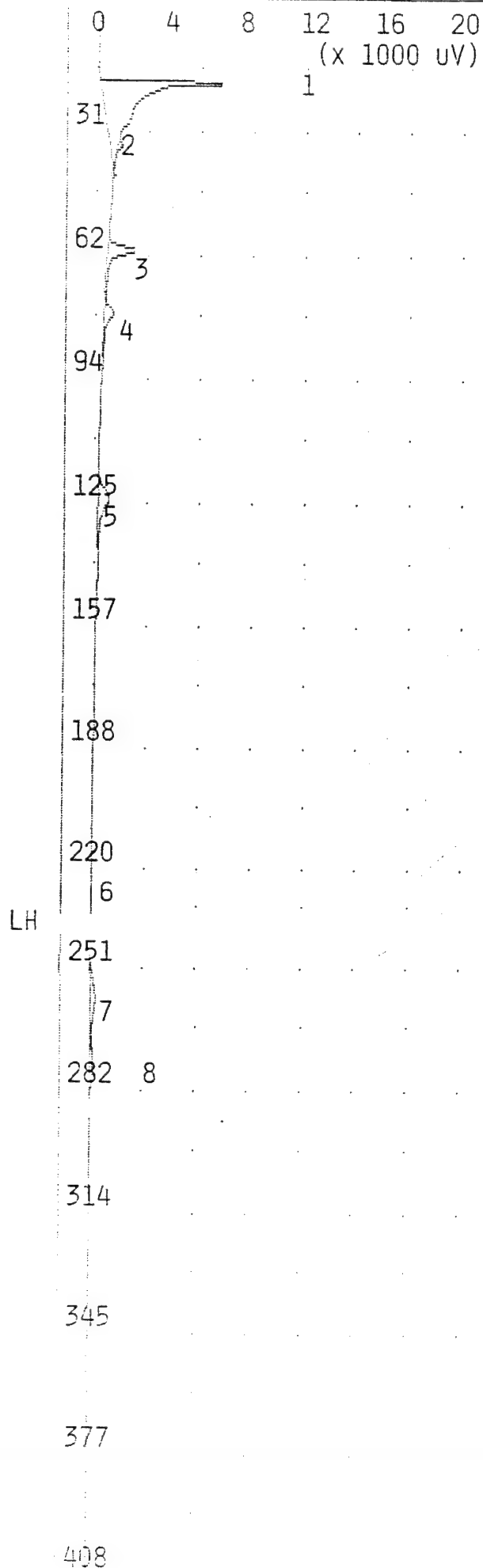
377

408

440

NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK



TIME PRINTED: NOV 14,94 10:22

SAMPLE TIME: NOV 14,94 10:15

## METHOD

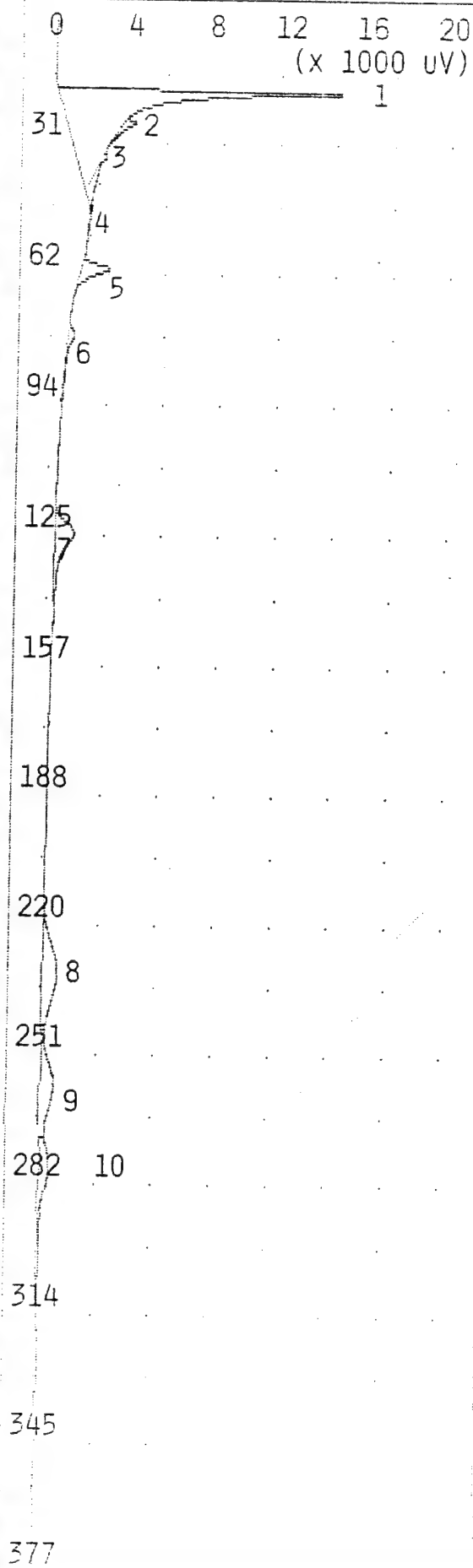
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 34.10 MVS | 16.8  |
| 2  | UNKNOWN       | 0.339 MVS | 32.9  |
| 3  | BENZENE       | 2.033 PPB | 59.4  |
| 4  | UNKNOWN       | 1.957 MVS | 75.6  |
| 5  | TOLUENE       | 3.808 PPB | 122.4 |
| 6  | UNKNOWN       | 0.659 MVS | 225.0 |
| 7  | ETHYLBENZENE  | 8.095 PPB | 256.2 |
| 8  | MP-XYLENE     | 13.49 PPB | 275.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004 1.0- 1.5  
2 33



TIME PRINTED: NOV 14,94 10:33

SAMPLE TIME: NOV 14,94 10:25

## METHOD

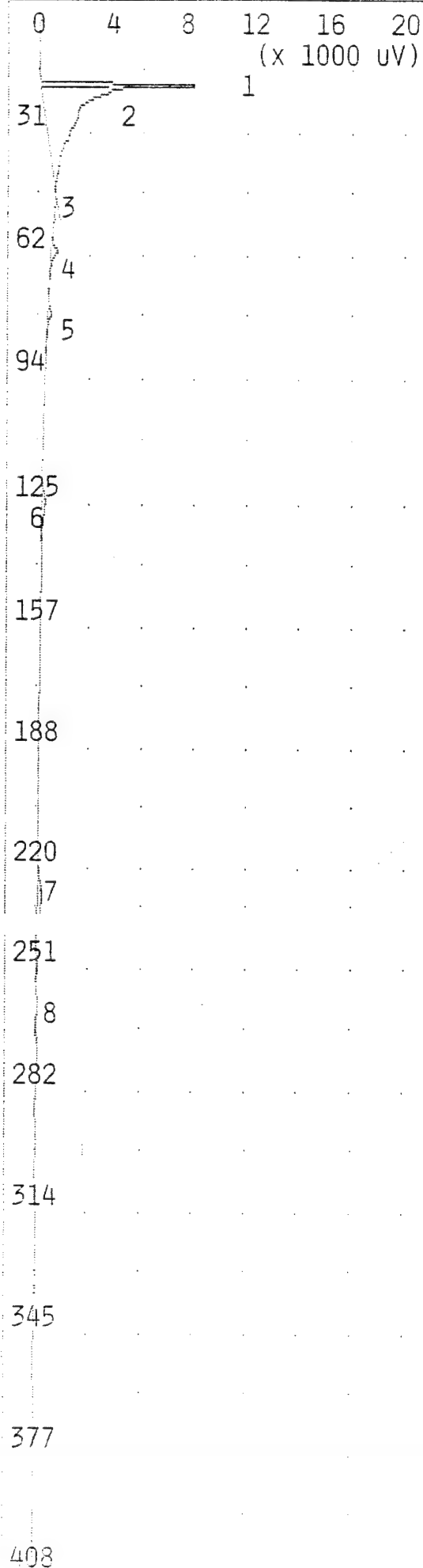
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 72.72 MVS | 17.2  |
| 2  | UNKNOWN       | 1.314 MVS | 24.6  |
| 3  | UNKNOWN       | 0.233 MVS | 32.7  |
| 4  | UNKNOWN       | 0.073 MVS | 44.9  |
| 5  | BENZENE       | 1.972 PPB | 59.6  |
| 6  | UNKNOWN       | 1.050 MVS | 75.4  |
| 7  | TOLUENE       | 7.215 PPB | 123.4 |
| 8  | UNKNOWN       | 11.93 MVS | 229.4 |
| 9  | ETHYLBENZENE  | 17.93 PPB | 257.3 |
| 10 | MP-XYLENE     | 26.75 PPB | 276.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-004 8.5- 9.5  
2 J3



TIME PRINTED: NOV 14,94 10:43

SAMPLE TIME: NOV 14,94 10:36

## METHOD

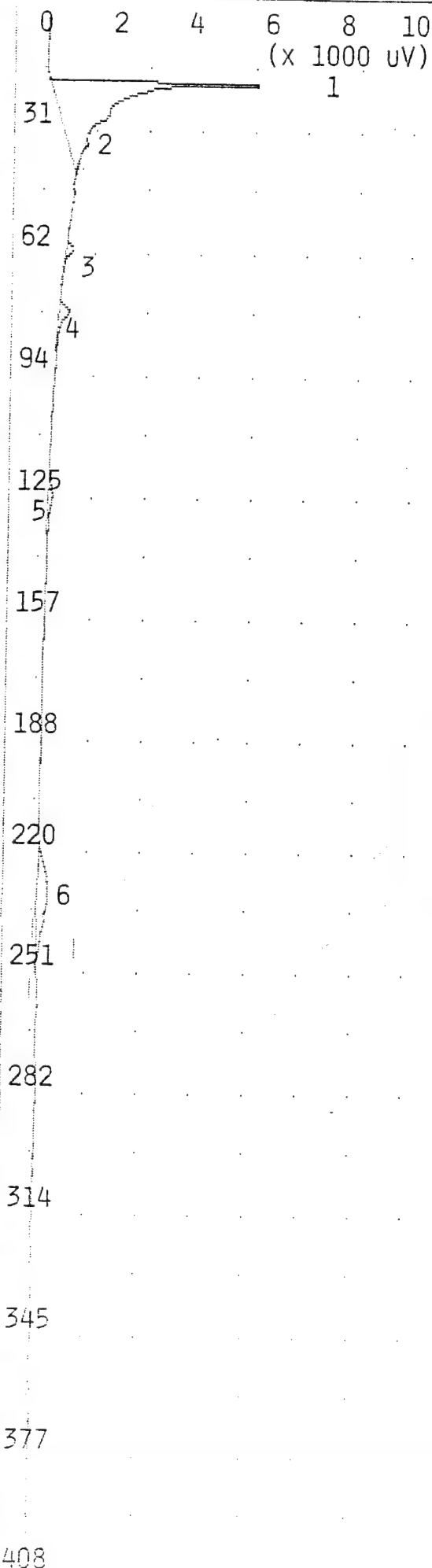
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 10.88 MVS | 17.0  |
| 2  | UNKNOWN       | 31.62 MVS | 18.7  |
| 3  | UNKNOWN       | 0.122 MVS | 45.1  |
| 4  | BENZENE       | 0.466 PPB | 59.6  |
| 5  | UNKNOWN       | 0.620 MVS | 75.6  |
| 6  | TOLUENE       | 1.147 PPB | 122.8 |
| 7  | UNKNOWN       | 3.521 MVS | 227.8 |
| 8  | ETHYLBENZENE  | 0.749 PPB | 257.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002 13.5-14.5



TIME PRINTED: NOV 14,94 10:55

SAMPLE TIME: NOV 14,94 10:47

## METHOD

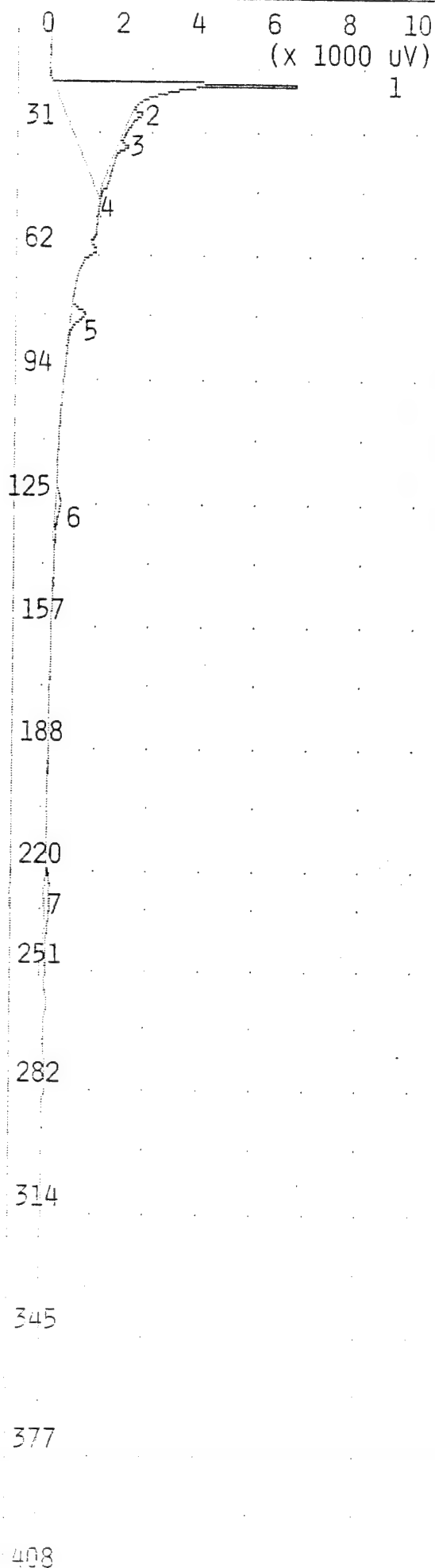
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 27    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 28.86 MVS | 17.0  |
| 2  | UNKNOWN       | 0.116 MVS | 33.0  |
| 3  | BENZENE       | 0.257 PPB | 59.7  |
| 4  | UNKNOWN       | 1.024 MVS | 75.6  |
| 5  | TOLUENE       | 0.668 PPB | 123.0 |
| 6  | UNKNOWN       | 4.480 MVS | 229.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002 18.5-19.5



TIME PRINTED: NOV 14,94 11:05

SAMPLE TIME: NOV 14,94 10:58

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 43.78 MVS | 17.0  |
| 2  | UNKNOWN       | 0.968 MVS | 24.8  |
| 3  | UNKNOWN       | 1.274 MVS | 32.9  |
| 4  | UNKNOWN       | 0.041 MVS | 45.1  |
| 5  | UNKNOWN       | 1.330 MVS | 75.8  |
| 6  | TOLUENE       | 0.820 PPB | 122.8 |
| 7  | UNKNOWN       | 1.917 MVS | 227.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002 8.5- 9.5



0 2 4 6 8 10  
(X 10 MV)

TIME PRINTED: NOV 14, 94 11:17

SAMPLE TIME: NOV 14, 94 11:09

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 29.53 MVS | 17.0  |
| 2  | UNKNOWN       | 0.563 MVS | 25.0  |
| 3  | UNKNOWN       | 0.131 MVS | 33.0  |
| 4  | BENZENE       | 85.57 PPB | 59.8  |
| 5  | TOLUENE       | 87.00 PPB | 123.2 |
| 6  | UNKNOWN       | 7.222 MVS | 228.8 |
| 7  | ETHYLBENZENE  | 78.12 PPB | 257.8 |
| 8  | MP-XYLENE     | 151.5 PPB | 277.0 |
| 9  | O-XYLENE      | 54.25 PPB | 326.6 |

## NOTES

JOE BYRD, JR.

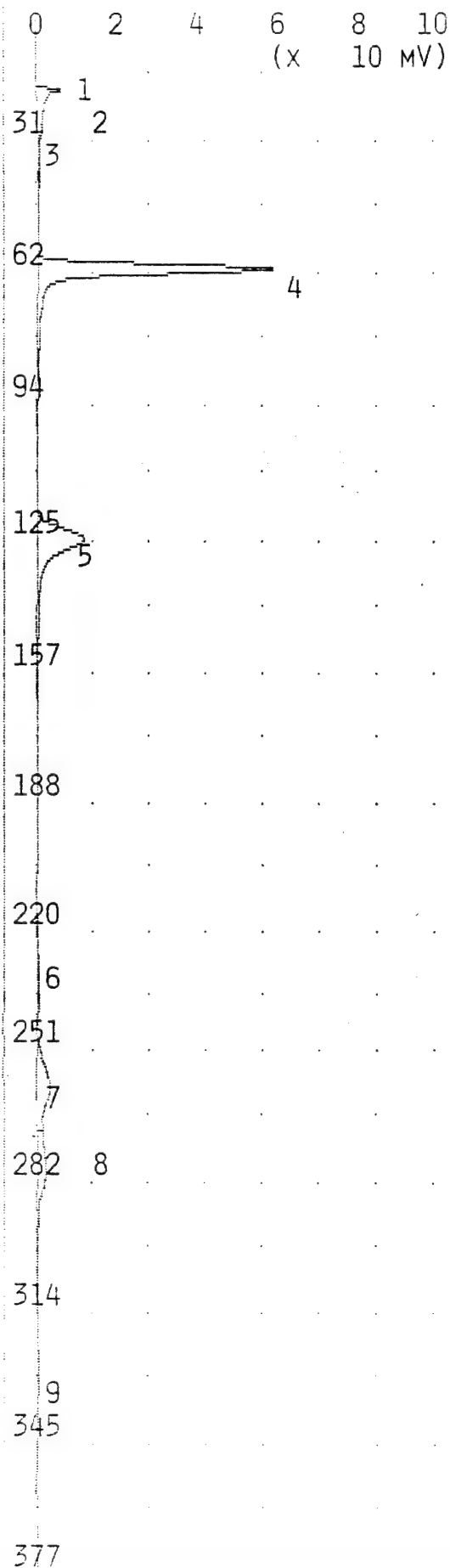
COOS BAY ANG

~~02-002 3.5 3.5~~

100 PPB BTEX JJ

377

408



TIME PRINTED: NOV 14,94 11:22

SAMPLE TIME: NOV 14,94 11:09

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

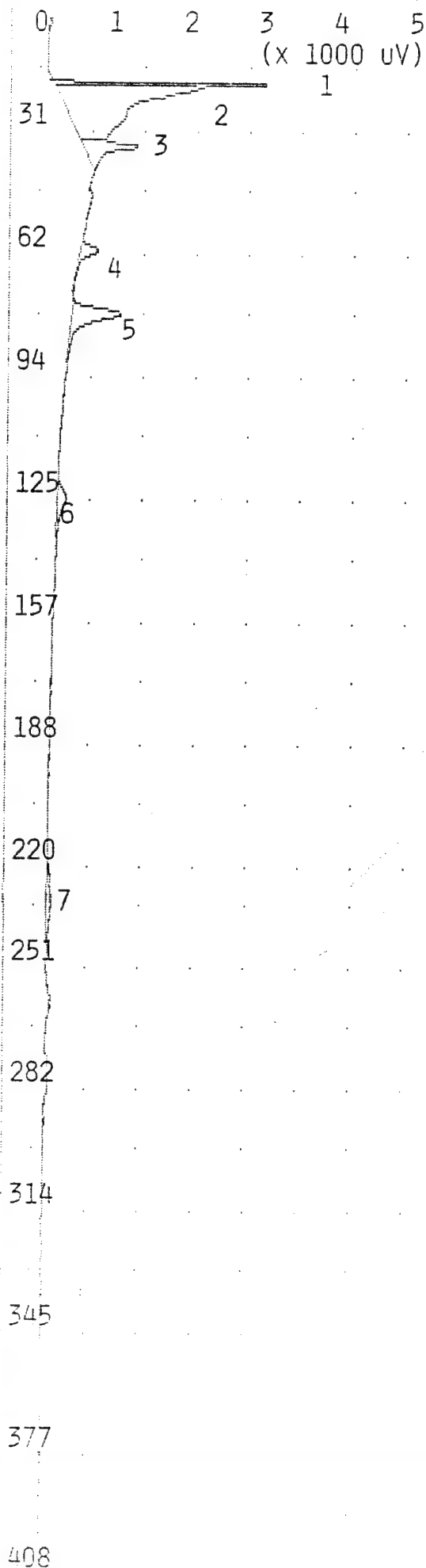
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 29.53 MVS | 17.0  |
| 2  | UNKNOWN       | 0.563 MVS | 25.0  |
| 3  | UNKNOWN       | 0.131 MVS | 33.0  |
| 4  | BENZENE       | 100.0 PPB | 59.8  |
| 5  | TOLUENE       | 100.0 PPB | 123.2 |
| 6  | UNKNOWN       | 7.222 MVS | 228.8 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 257.8 |
| 8  | MP-XYLENE     | 200.0 PPB | 277.0 |
| 9  | O-XYLENE      | 100.0 PPB | 326.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

## ANALYSIS #12 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 14,94 11:33

SAMPLE TIME: NOV 14,94 11:25

## METHOD

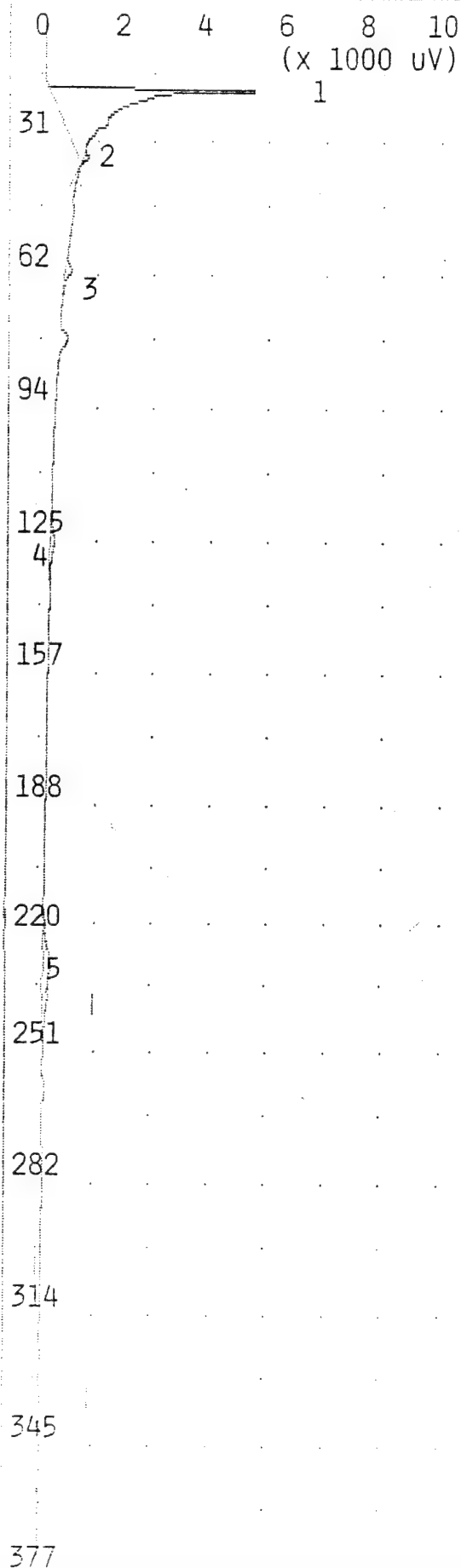
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.217 MVS | 17.1  |
| 2  | UNKNOWN       | 12.24 MVS | 18.7  |
| 3  | UNKNOWN       | 2.195 MVS | 33.2  |
| 4  | BENZENE       | 0.384 PPB | 59.6  |
| 5  | UNKNOWN       | 2.600 MVS | 75.8  |
| 6  | TOLUENE       | 0.775 PPB | 122.9 |
| 7  | UNKNOWN       | 0.821 MVS | 229.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
AIR BLANK



TIME PRINTED: Nov 14,94 11:43

SAMPLE TIME: Nov 14,94 11:35

## METHOD

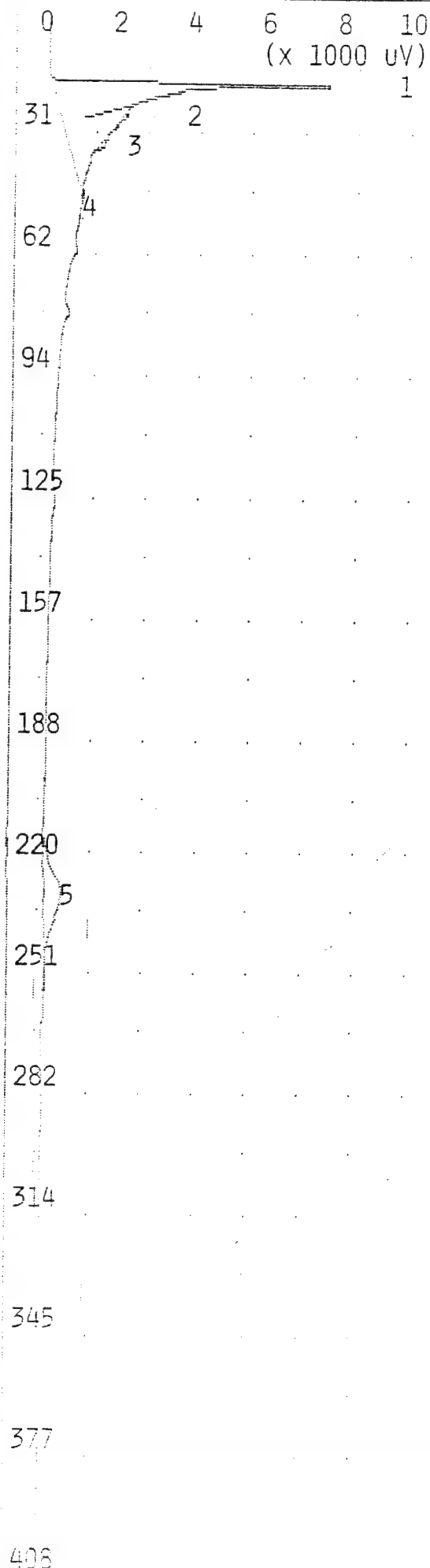
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 22.60 MVS | 17.0  |
| 2  | UNKNOWN       | 0.164 MVS | 33.0  |
| 3  | BENZENE       | 0.245 PPB | 59.6  |
| 4  | TOLUENE       | 0.669 PPB | 123.7 |
| 5  | UNKNOWN       | 2.404 MVS | 229.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002PZ 23.5-24.5



TIME PRINTED: NOV 14,94 11:56

SAMPLE TIME: NOV 14,94 11:48

## METHOD

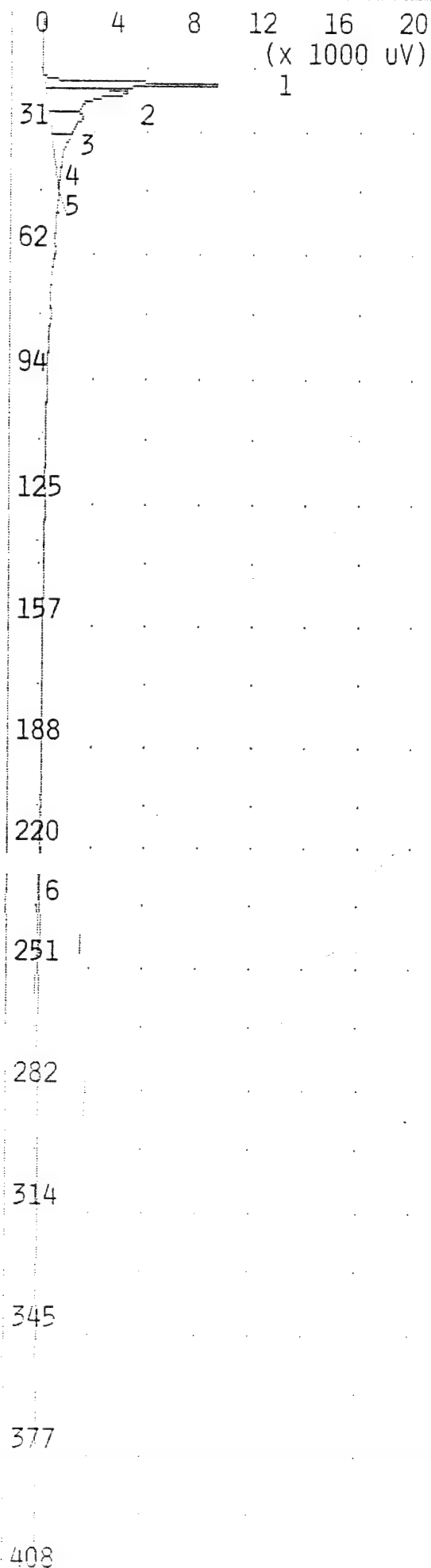
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 41.34 MVS | 17.0  |
| 2  | UNKNOWN       | 0.198 MVS | 19.4  |
| 3  | UNKNOWN       | 0.697 MVS | 25.2  |
| 4  | UNKNOWN       | 0.047 MVS | 45.5  |
| 5  | UNKNOWN       | 7.576 MVS | 229.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002PZ ~~23.5-24.5~~ 28.5-29.5 B



TIME PRINTED: NOV 14,94 12:06

SAMPLE TIME: NOV 14,94 11:59

## METHOD

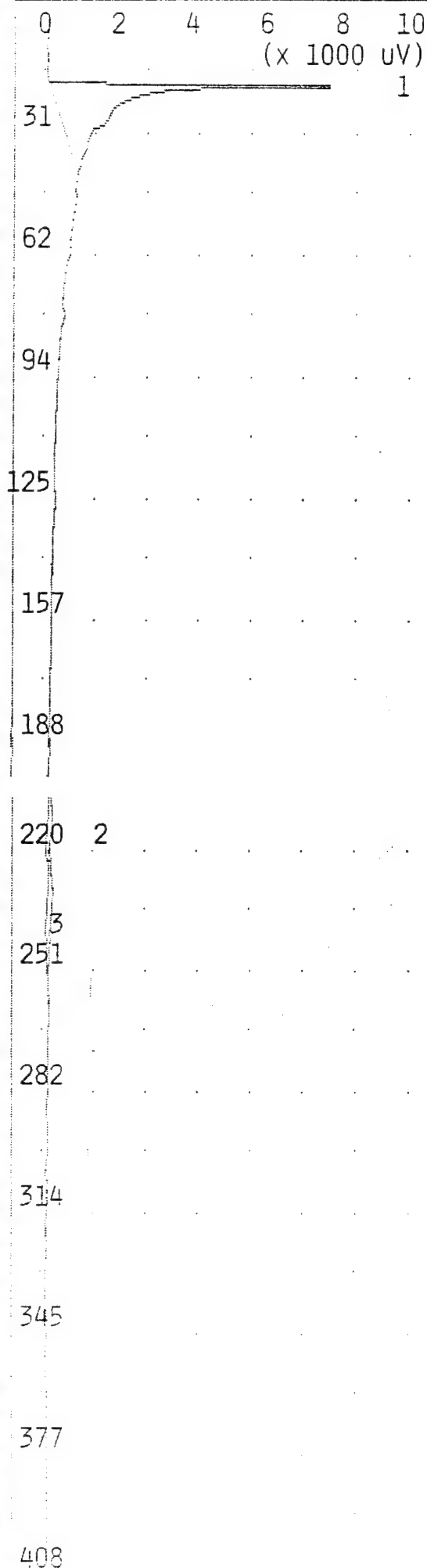
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 28    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 440.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 14.64 MVS | 17.0  |
| 2  | UNKNOWN       | 15.26 MVS | 19.4  |
| 3  | UNKNOWN       | 8.701 MVS | 25.5  |
| 4  | UNKNOWN       | 5.391 MVS | 31.1  |
| 5  | UNKNOWN       | 0.029 MVS | 45.0  |
| 6  | UNKNOWN       | 1.015 MVS | 229.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-002PZ 33.5-34.0



TIME PRINTED: NOV 14,94 12:37

SAMPLE TIME: NOV 14,94 12:30

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

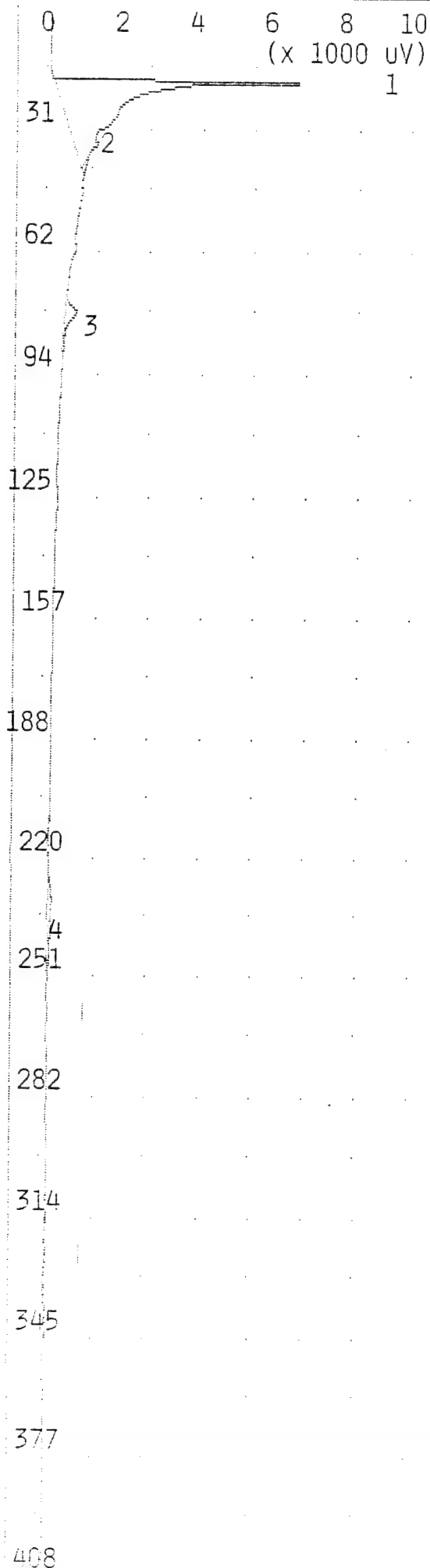
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 30.52 MVS | 17.1  |
| 2  | UNKNOWN       | 1.155 MVS | 209.8 |
| 3  | UNKNOWN       | 2.043 MVS | 232.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
CB-001PZ 1.0- 2.5

## ANALYSIS #17 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 14,94 12:47

SAMPLE TIME: NOV 14,94 12:40

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 28 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 32.75 MVS | 17.0  |
| 2  | UNKNOWN       | 0.164 MVS | 33.2  |
| 3  | UNKNOWN       | 1.194 MVS | 76.2  |
| 4  | ETHYLBENZENE  | 2.645 PPB | 232.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-001PZ 8.5-10.0



0 2 4 6 8 10  
(X 10 MV)

TIME PRINTED: NOV 14,94 12:57

SAMPLE TIME: NOV 14,94 12:50

## METHOD

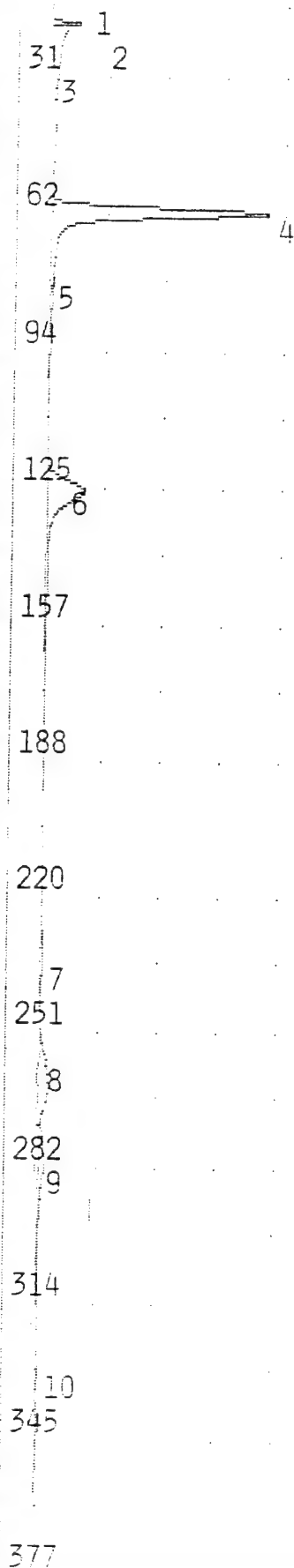
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.576 MVS | 17.1  |
| 2  | UNKNOWN       | 24.79 MVS | 18.7  |
| 3  | UNKNOWN       | 3.175 MVS | 33.2  |
| 4  | BENZENE       | 87.17 PPB | 60.3  |
| 5  | UNKNOWN       | 0.326 MVS | 76.2  |
| 6  | TOLUENE       | 78.01 PPB | 124.2 |
| 7  | UNKNOWN       | 6.184 MVS | 231.6 |
| 8  | ETHYLBENZENE  | 72.26 PPB | 260.0 |
| 9  | MP-XYLENE     | 127.0 PPB | 279.7 |
| 10 | O-XYLENE      | 69.95 PPB | 330.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 14,94 13:02

SAMPLE TIME: NOV 14,94 12:50

## METHOD

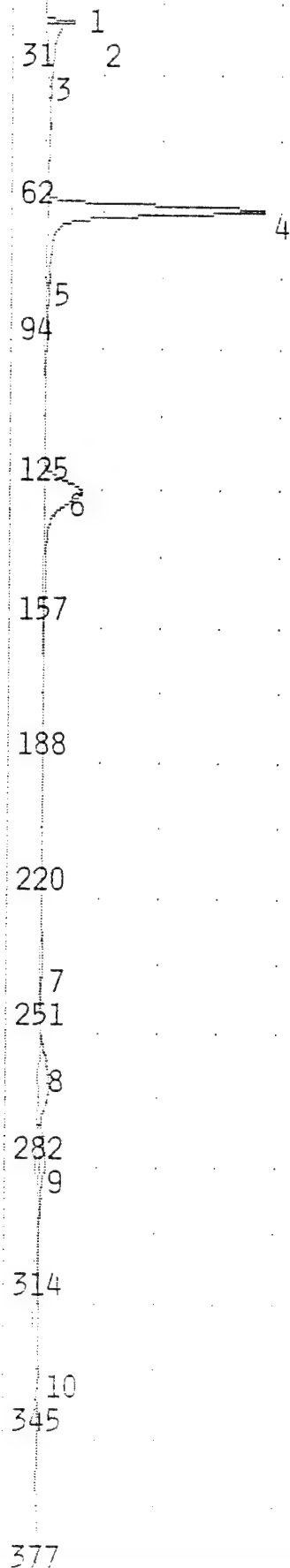
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

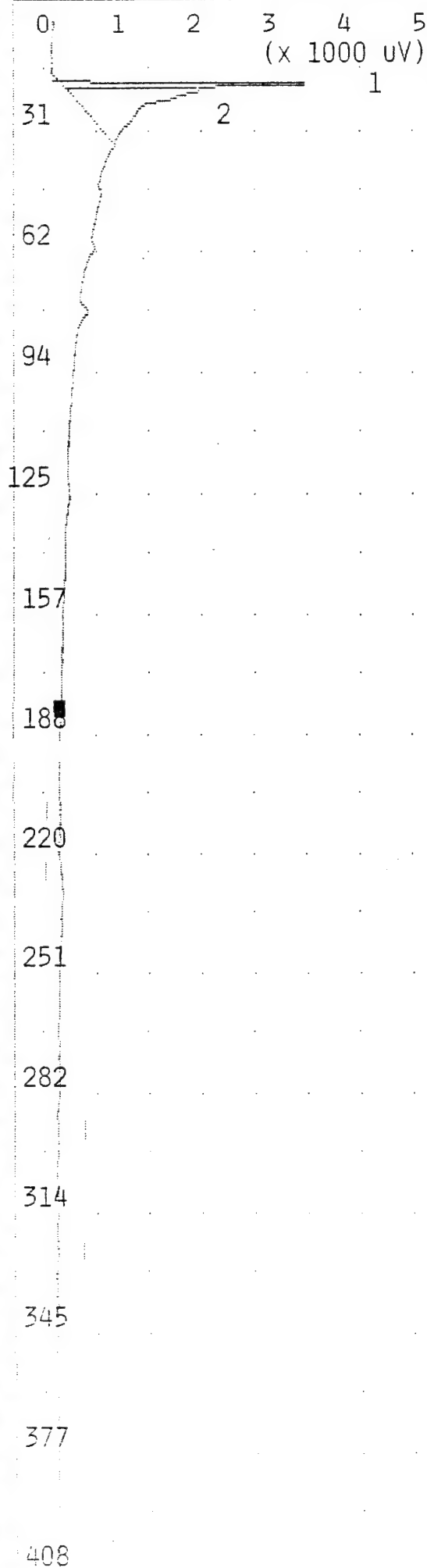
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.576 MVS | 17.1  |
| 2  | UNKNOWN       | 24.79 MVS | 18.7  |
| 3  | UNKNOWN       | 3.175 MVS | 33.2  |
| 4  | BENZENE       | 100.0 PPB | 60.3  |
| 5  | UNKNOWN       | 0.326 MVS | 76.2  |
| 6  | TOLUENE       | 100.0 PPB | 124.2 |
| 7  | UNKNOWN       | 6.184 MVS | 231.6 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 260.0 |
| 9  | MP-XYLENE     | 200.0 PPB | 279.7 |
| 10 | O-XYLENE      | 99.99 PPB | 330.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX





TIME PRINTED: NOV 14,94 13:12

SAMPLE TIME: NOV 14,94 13:05

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

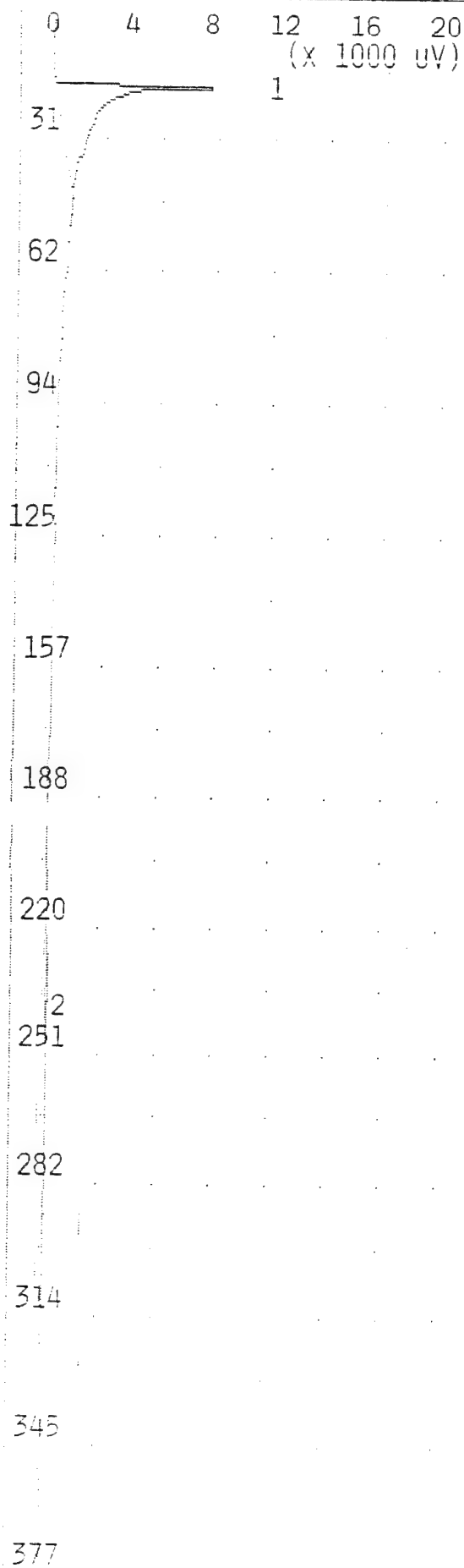
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.856 MVS | 17.1 |
| 2  | UNKNOWN       | 10.13 MVS | 18.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
AIR BLANK



TIME PRINTED: NOV 14,94 13:23  
SAMPLE TIME: NOV 14,94 13:15

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 41.11 MVS | 17.0  |
| 2  | UNKNOWN       | 0.819 MVS | 231.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-001PZ 13.5-15.0

0 2 4 6 8 10  
(x 1000 UV)

TIME PRINTED: NOV 14,94 13:33

SAMPLE TIME: NOV 14,94 13:25

## METHOD

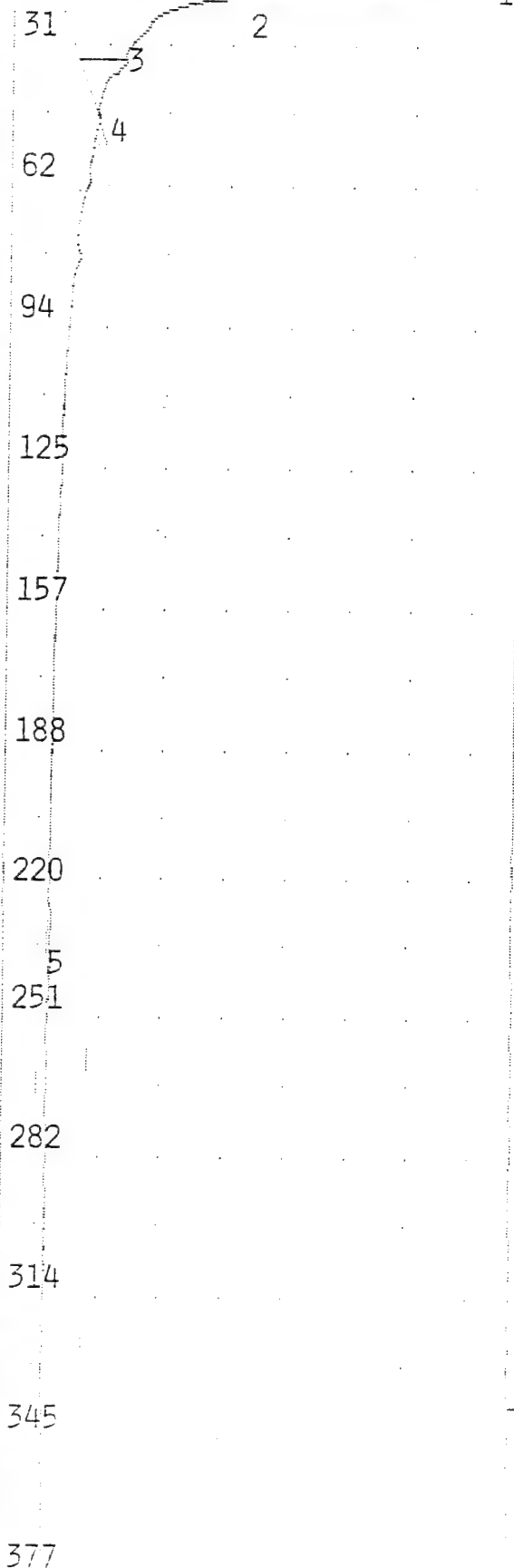
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

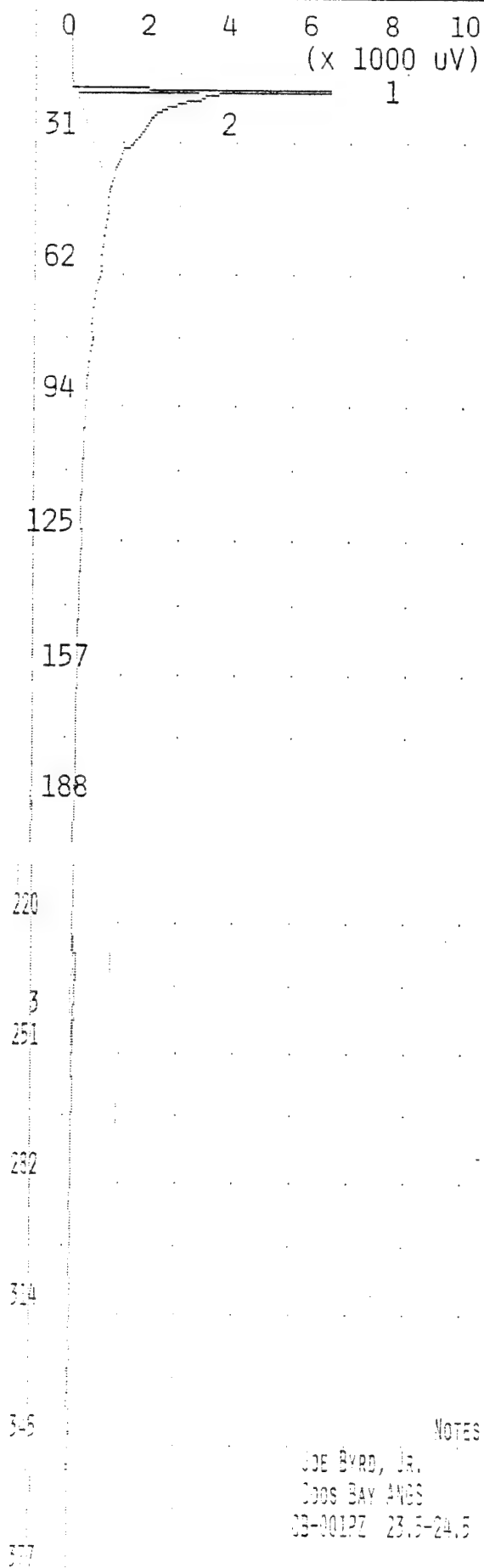
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.683 MVS | 17.1  |
| 2  | UNKNOWN       | 29.44 MVS | 18.8  |
| 3  | UNKNOWN       | 5.739 MVS | 33.4  |
| 4  | UNKNOWN       | 0.133 MVS | 45.5  |
| 5  | UNKNOWN       | 0.795 MVS | 232.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-001PZ 18.5-20.0





TIME PRINTED: NOV 14,94 13:43

SAMPLE TIME: NOV 14,94 13:36

## METHOD

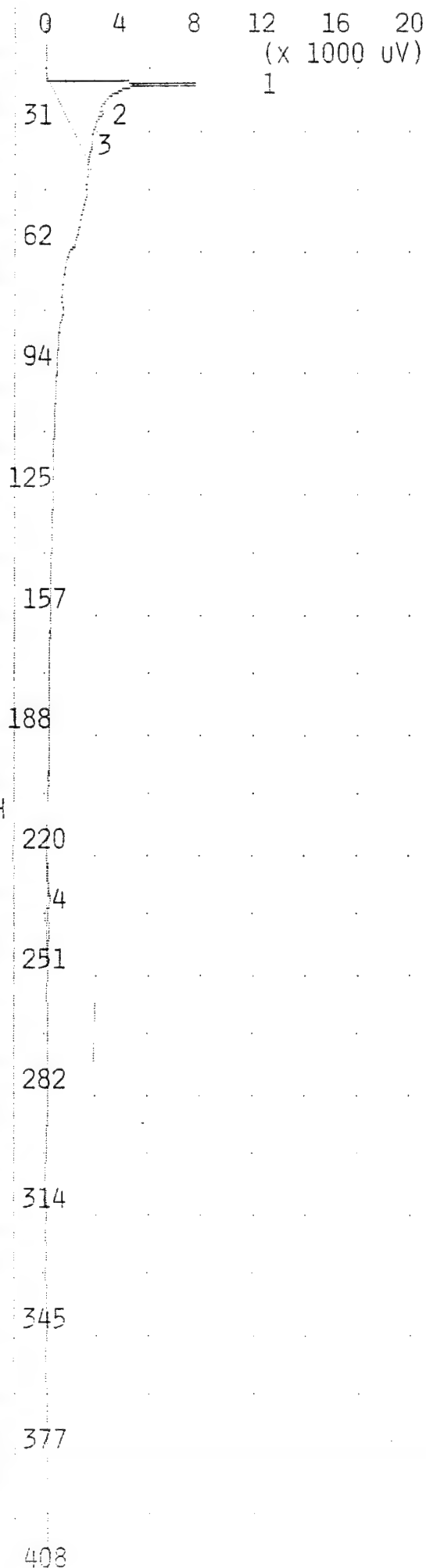
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.654 MVS | 17.1  |
| 2  | UNKNOWN       | 26.22 MVS | 18.7  |
| 3  | UNKNOWN       | 1.407 MVS | 231.0 |

## NOTES

JOE BYRD, JR.  
DOGS BAY AVCS  
03-00127 23.5-24.5



TIME PRINTED: NOV 14,94 13:53

SAMPLE TIME: NOV 14,94 13:46

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000

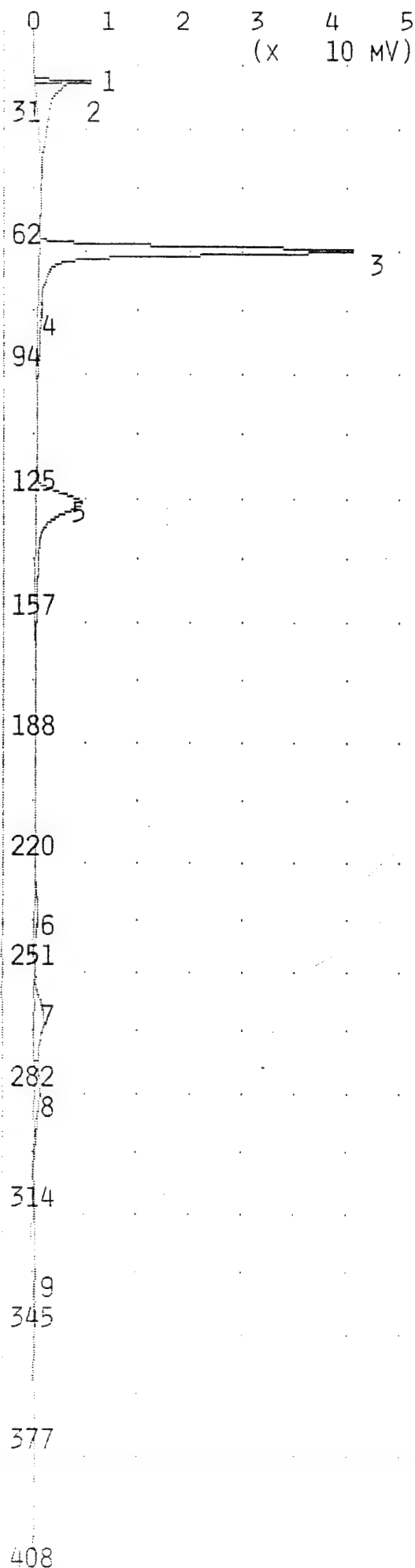
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 40.50 MVS | 17.0  |
| 2  | UNKNOWN       | 0.321 MVS | 24.6  |
| 3  | UNKNOWN       | 0.060 MVS | 33.1  |
| 4  | UNKNOWN       | 1.428 MVS | 228.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-001PZ 28.5-29.5



TIME PRINTED: Nov 14,94 15:36

SAMPLE TIME: Nov 14,94 15:29

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

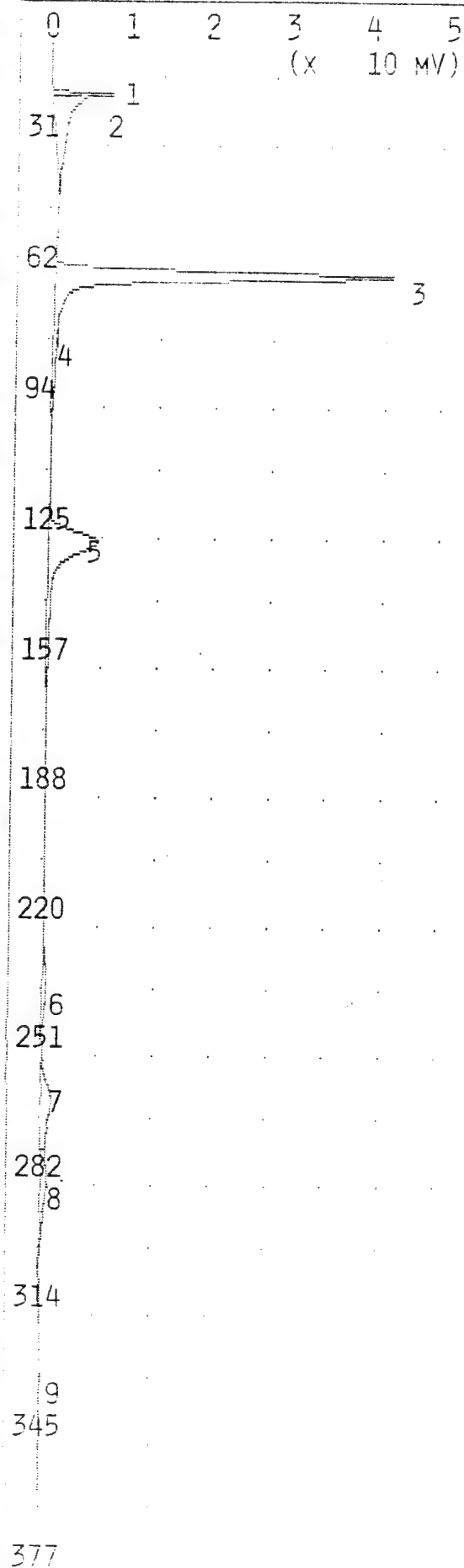
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.865 MVS | 17.2  |
| 2  | UNKNOWN       | 29.06 MVS | 18.7  |
| 3  | BENZENE       | 79.29 PPB | 60.5  |
| 4  | UNKNOWN       | 0.220 MVS | 76.5  |
| 5  | TOLUENE       | 67.61 PPB | 124.6 |
| 6  | UNKNOWN       | 6.733 MVS | 232.0 |
| 7  | ETHYLBENZENE  | 54.52 PPB | 261.0 |
| 8  | MP-XYLENE     | 116.3 PPB | 281.0 |
| 9  | O-XYLENE      | 62.33 PPB | 331.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX



## ANALYSIS #24 10S+ GC FUNCTION ANALYSIS REPORT

TIME PRINTED: NOV 14,94 15:44  
SAMPLE TIME: NOV 14,94 15:29

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

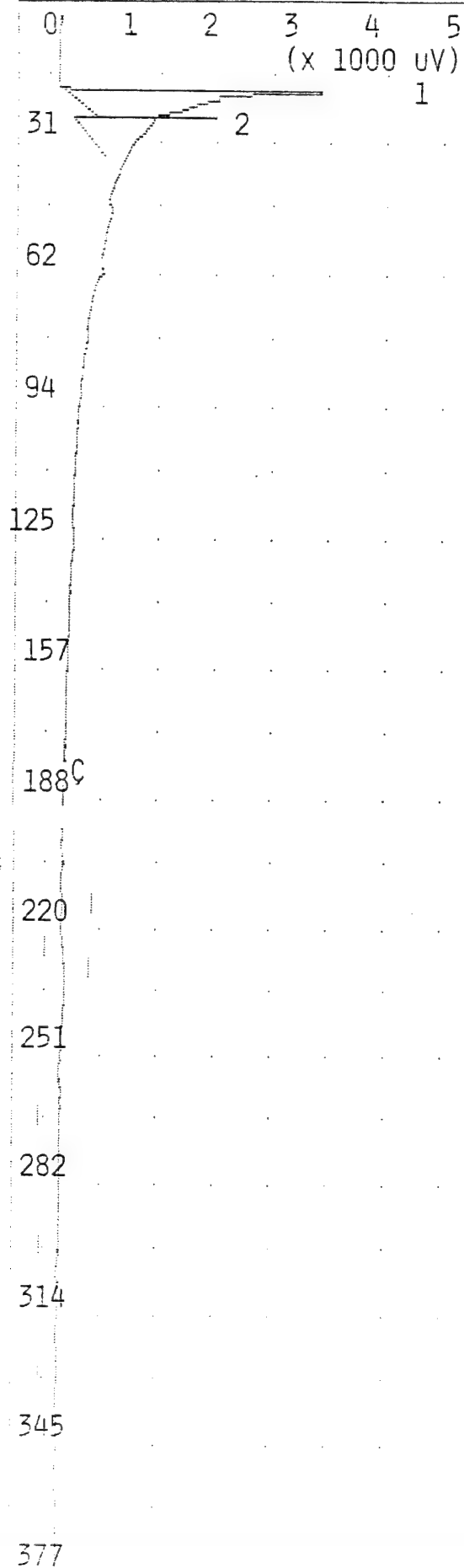
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.865 MVS | 17.2  |
| 2  | UNKNOWN       | 29.06 MVS | 18.7  |
| 3  | BENZENE       | 100.0 PPB | 60.5  |
| 4  | UNKNOWN       | 0.220 MVS | 76.5  |
| 5  | TOLUENE       | 99.99 PPB | 124.6 |
| 6  | UNKNOWN       | 6.733 MVS | 232.0 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 261.0 |
| 8  | MP-XYLENE     | 200.0 PPB | 281.0 |
| 9  | O-XYLENE      | 99.99 PPB | 331.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX

## ANALYSIS #25 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 14,94 15:55

SAMPLE TIME: Nov 14,94 15:48

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 4.188 MVS | 17.2 |
| 2  | UNKNOWN       | 10.97 MVS | 19.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG5  
100 PPB BTEX

ANALYSIS #26 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 1000 uV)

TIME PRINTED: Nov 14,94 16:05  
SAMPLE TIME: Nov 14,94 15:58

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

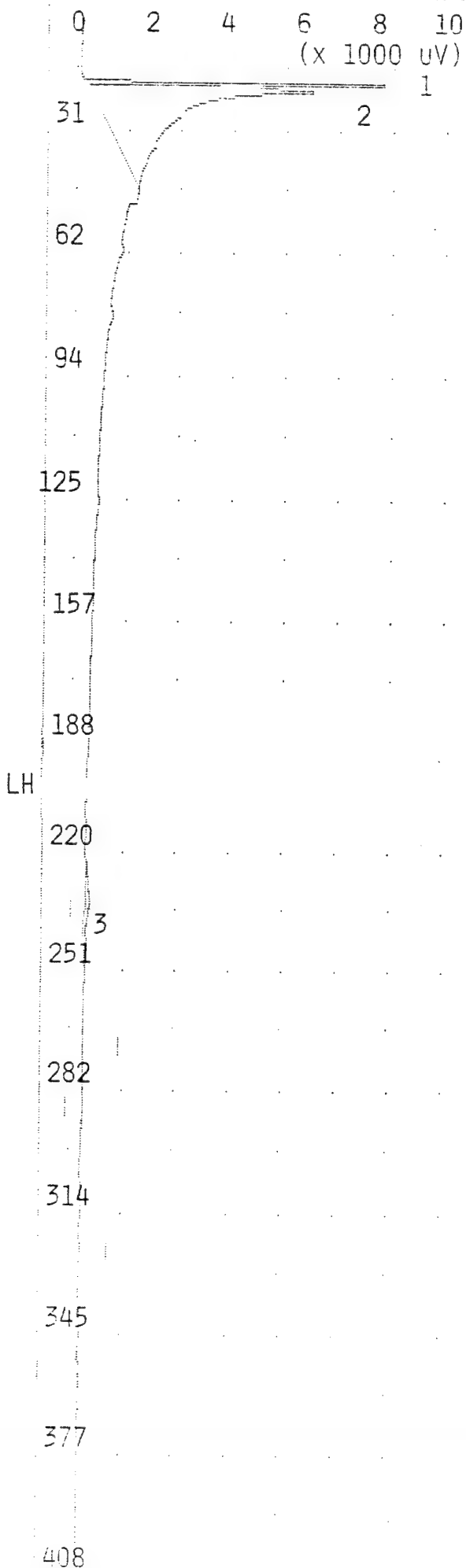
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.184 MVS | 17.2  |
| 2  | UNKNOWN       | 45.37 MVS | 18.9  |
| 3  | UNKNOWN       | 0.033 MVS | 45.0  |
| 4  | UNKNOWN       | 0.912 MVS | 231.4 |

NOTES

JOE BYRD, JR.  
COOS BAY ARMS  
CB-001PZ 33.5-34.0

ANALYSIS #27 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 14,94 16:15

SAMPLE TIME: NOV 14,94 16:08

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

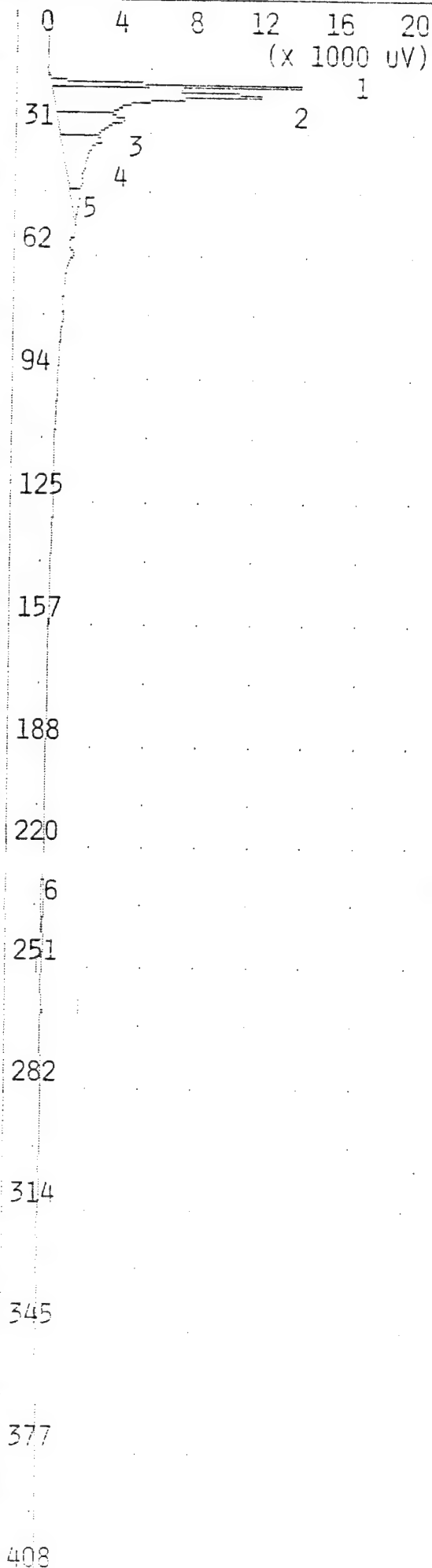
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 8.513 MVS | 17.2  |
| 2  | UNKNOWN       | 42.43 MVS | 18.9  |
| 3  | UNKNOWN       | 1.413 MVS | 231.6 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 CB-001PZ 38.5-39.5

ANALYSIS #28 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 14,94 16:26

SAMPLE TIME: NOV 14,94 16:18

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 29 C  
 MAX GAIN 1000  
 ANALYSIS TIME 440.0 SEC

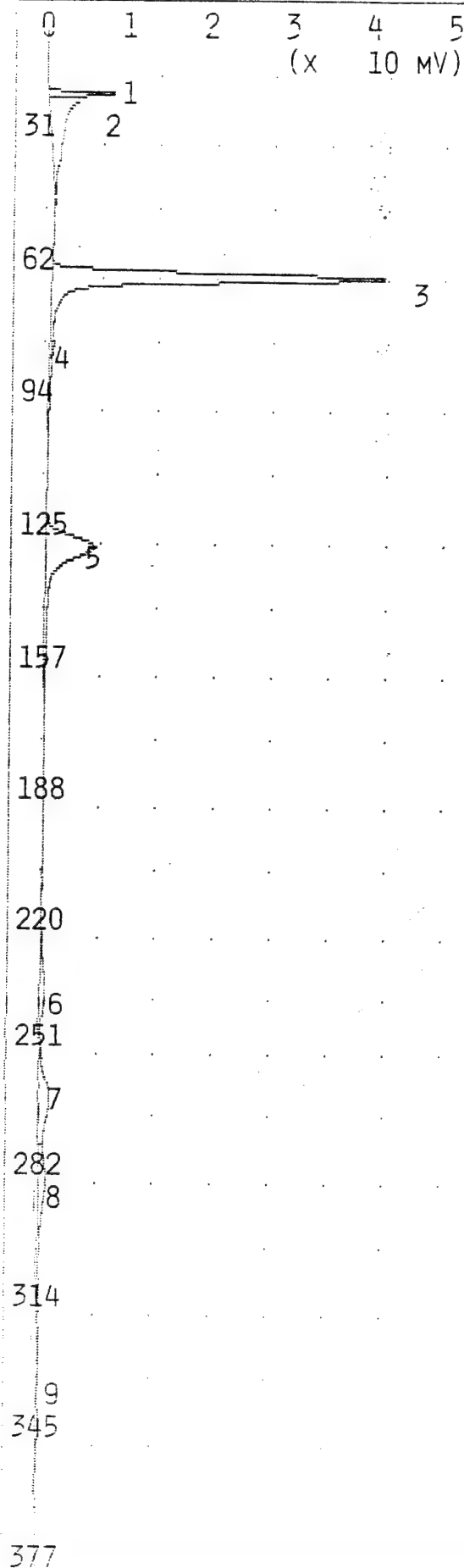
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 16.87 MVS | 17.1  |
| 2  | UNKNOWN       | 37.84 MVS | 19.6  |
| 3  | UNKNOWN       | 17.24 MVS | 25.9  |
| 4  | UNKNOWN       | 17.35 MVS | 31.4  |
| 5  | UNKNOWN       | 2.679 MVS | 45.2  |
| 6  | UNKNOWN       | 1.169 MVS | 229.8 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGCS  
 CB-001PZ 43.5-44.0

## ANALYSIS #29 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 14,94 16:36

SAMPLE TIME: NOV 14,94 16:28

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 440.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 9.576 MVS | 17.2  |
| 2  | UNKNOWN       | 31.65 MVS | 18.8  |
| 3  | BENZENE       | 95.54 PPB | 60.5  |
| 4  | UNKNOWN       | 0.510 MVS | 76.5  |
| 5  | TOLUENE       | 92.98 PPB | 124.5 |
| 6  | UNKNOWN       | 7.331 MVS | 231.0 |
| 7  | ETHYLBENZENE  | 94.23 PPB | 260.5 |
| 8  | MP-XYLENE     | 188.3 PPB | 280.5 |
| 9  | O-XYLENE      | 100.6 PPB | 329.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: Nov 15,94 09:28

SAMPLE TIME: Nov 15,94 09:21

## METHOD

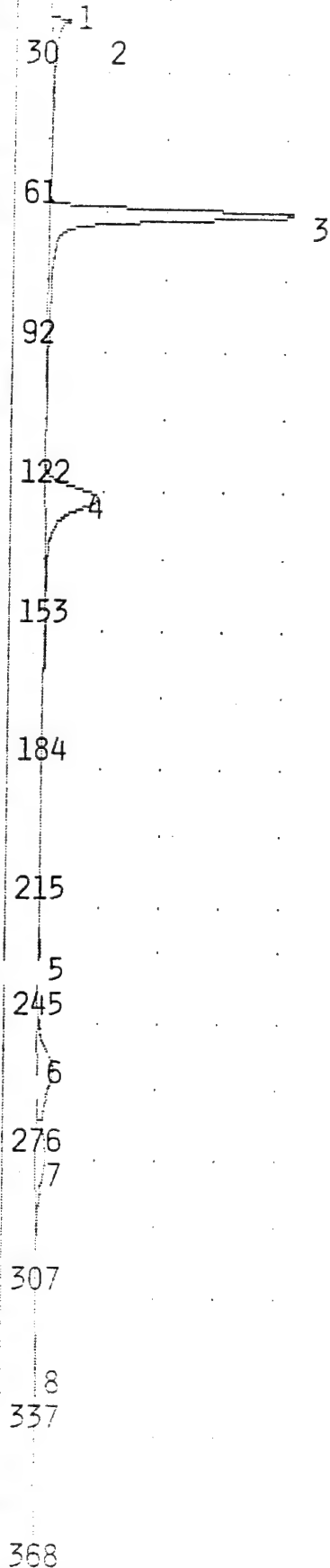
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

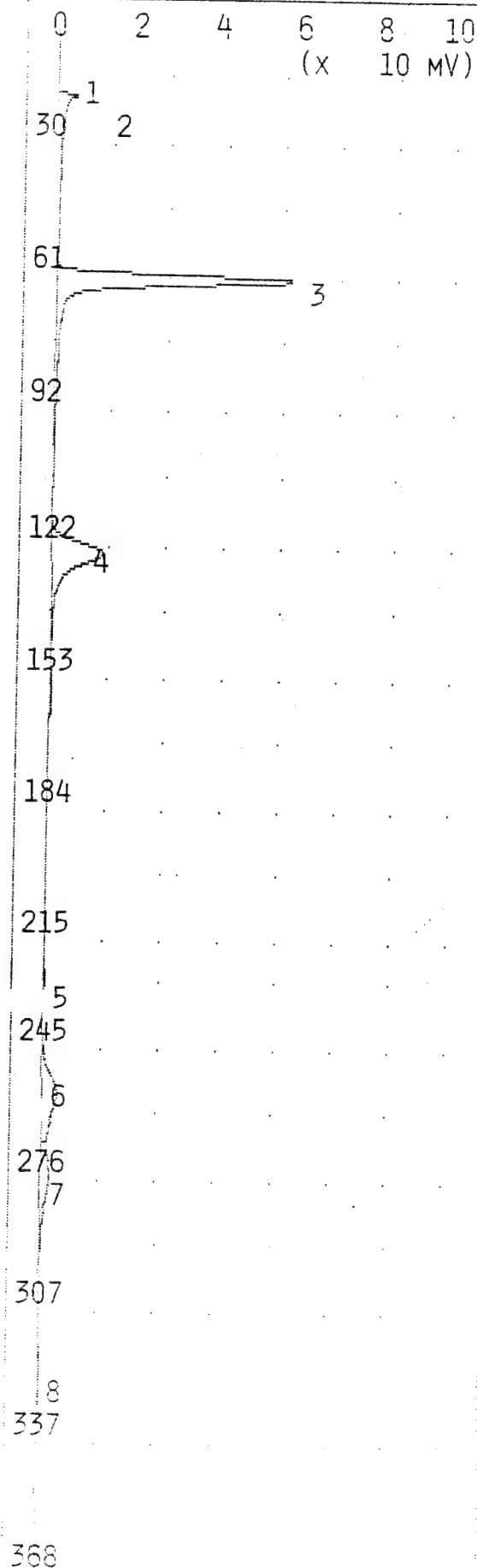
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 23.43 MVS | 17.3  |
| 2  | UNKNOWN       | 0.256 MVS | 25.1  |
| 3  | BENZENE       | 113.5 PPB | 60.0  |
| 4  | TOLUENE       | 129.1 PPB | 122.2 |
| 5  | UNKNOWN       | 2.758 MVS | 225.6 |
| 6  | ETHYLBENZENE  | 139.1 PPB | 254.4 |
| 7  | MP-XYLENE     | 294.5 PPB | 273.6 |
| 8  | O-XYLENE      | 112.6 PPB | 321.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX





TIME PRINTED: NOV 15,94 09:33

SAMPLE TIME: NOV 15,94 09:21

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

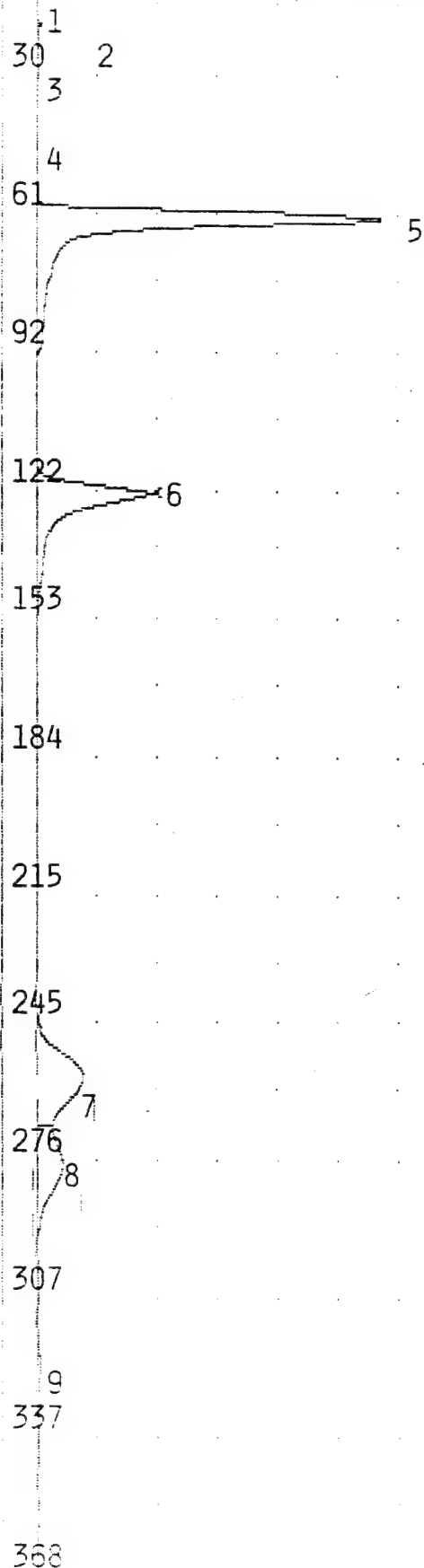
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 23.43 MVS | 17.3  |
| 2  | UNKNOWN       | 0.256 MVS | 25.1  |
| 3  | BENZENE       | 100.0 PPB | 60.0  |
| 4  | TOLUENE       | 100.0 PPB | 122.2 |
| 5  | UNKNOWN       | 2.758 MVS | 225.6 |
| 6  | ETHYLBENZENE  | 100.0 PPB | 254.4 |
| 7  | MP-XYLENE     | 200.0 PPB | 273.6 |
| 8  | O-XYLENE      | 100.0 PPB | 321.3 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



0 1 2 3 4 5  
(x 100 MV)



TIME PRINTED: Nov 15,94 09:43

SAMPLE TIME: Nov 15,94 09:36

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.204 MVS | 17.3  |
| 2  | UNKNOWN       | 14.45 MVS | 19.0  |
| 3  | UNKNOWN       | 13.30 MVS | 25.2  |
| 4  | UNKNOWN       | 0.046 MVS | 44.3  |
| 5  | BENZENE       | 1.014 PPM | 60.5  |
| 6  | TOLUENE       | 1.341 PPM | 122.4 |
| 7  | ETHYLBENZENE  | 1.480 PPM | 256.0 |
| 8  | MP-XYLENE     | 2.422 PPM | 275.2 |
| 9  | O-XYLENE      | 1.587 PPM | 323.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX

## ANALYSIS #4

## 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5  
(X 100 MV)

TIME PRINTED: Nov 15,94 09:48

SAMPLE TIME: Nov 15,94 09:36

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

MAX GAIN 1000

ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.204 MVS | 17.3  |
| 2  | UNKNOWN       | 14.45 MVS | 19.0  |
| 3  | UNKNOWN       | 13.30 MVS | 25.2  |
| 4  | UNKNOWN       | 0.046 MVS | 44.3  |
| 5  | BENZENE       | 1.000 PPM | 60.5  |
| 6  | TOLUENE       | 1.000 PPM | 122.4 |
| 7  | ETHYLBENZENE  | 1.000 PPM | 256.0 |
| 8  | MP-XYLENE     | 2.000 PPM | 275.2 |
| 9  | O-XYLENE      | 1.000 PPM | 323.2 |

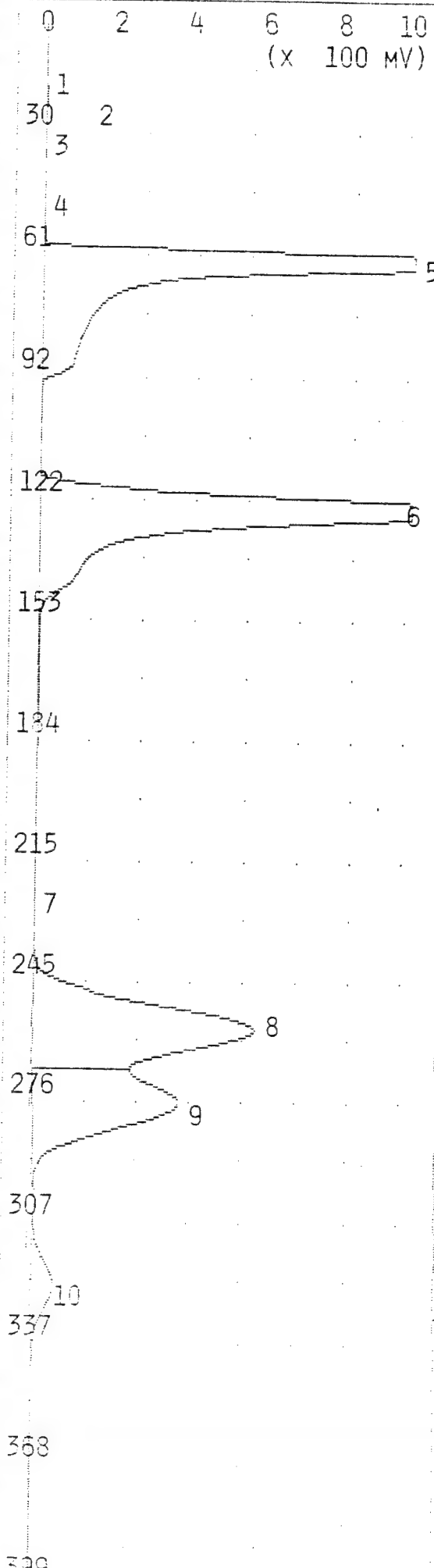
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX

368

399

ANALYSIS #5 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 15,94 09:58

SAMPLE TIME: Nov 15,94 09:51

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 27 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC  | R.T.  |
|----|---------------|------------|-------|
| 1  | UNKNOWN       | 5.654 MVS  | 17.3  |
| 2  | UNKNOWN       | 50.92 MVS  | 19.0  |
| 3  | UNKNOWN       | 0.277 MVS  | 25.0  |
| 4  | UNKNOWN       | 0.748 MVS  | 44.7  |
| 5  | BENZENE       | 7.443 PPM  | 60.9  |
| 6  | TOLUENE       | 10.64 PPM  | 123.2 |
| 7  | UNKNOWN       | 5.997 MVS  | 222.8 |
| 8  | ETHYLBENZENE  | 11.56 PPM  | 255.4 |
| 9  | MP-XYLENE     | 27.03 PPM  | 274.4 |
| 10 | O-XYLENE      | 11.47 PPM2 | 321.3 |

PPM1 = ALARM 1 PPM2 = ALARM2

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 10 PPM BTEX

0 2 4 6 8 10  
(X 100 MV)

TIME PRINTED: NOV 15,94 10:03

SAMPLE TIME: NOV 15,94 09:51

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

MAX GAIN 1000

ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC  | R.T.  |
|----|---------------|------------|-------|
| 1  | UNKNOWN       | 5.654 MVS  | 17.3  |
| 2  | UNKNOWN       | 50.92 MVS  | 19.0  |
| 3  | UNKNOWN       | 0.277 MVS  | 25.0  |
| 4  | UNKNOWN       | 0.748 MVS  | 44.7  |
| 5  | BENZENE       | 10.00 PPM  | 60.9  |
| 6  | TOLUENE       | 10.00 PPM  | 123.2 |
| 7  | UNKNOWN       | 5.997 MVS  | 222.8 |
| 8  | ETHYLBENZENE  | 10.00 PPM  | 255.4 |
| 9  | MP-XYLENE     | 20.00 PPM  | 274.4 |
| 10 | O-XYLENE      | 10.02 PPM2 | 321.3 |

7

245

8

276

9

307

10

337

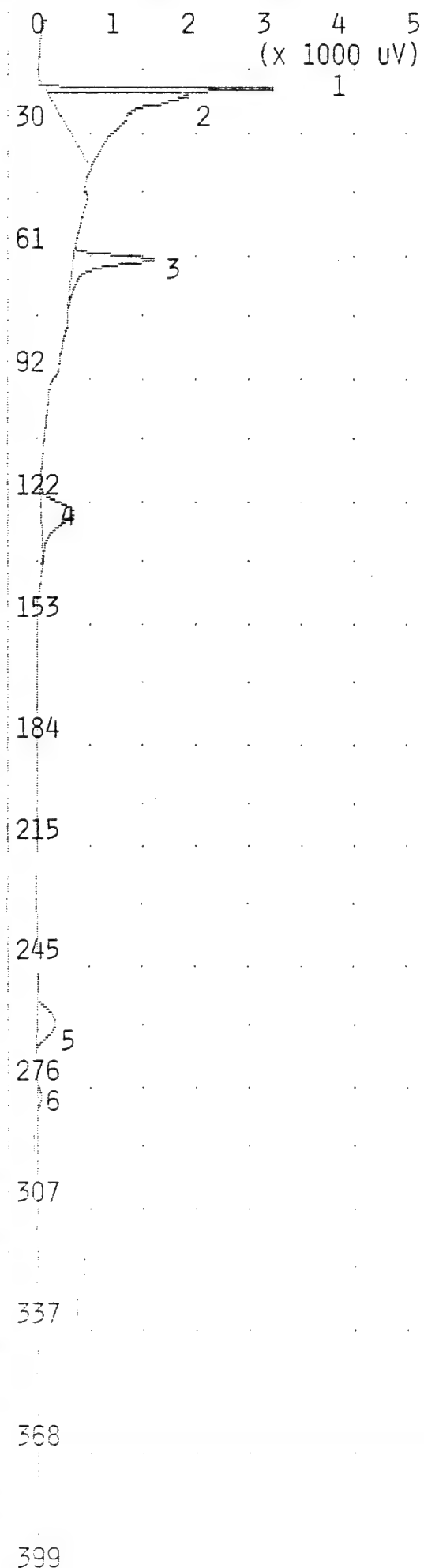
368

399

PPM1 = ALARM 1 PPM2 = ALARM2

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX



TIME PRINTED: NOV 15,94 10:13

SAMPLE TIME: NOV 15,94 10:06

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

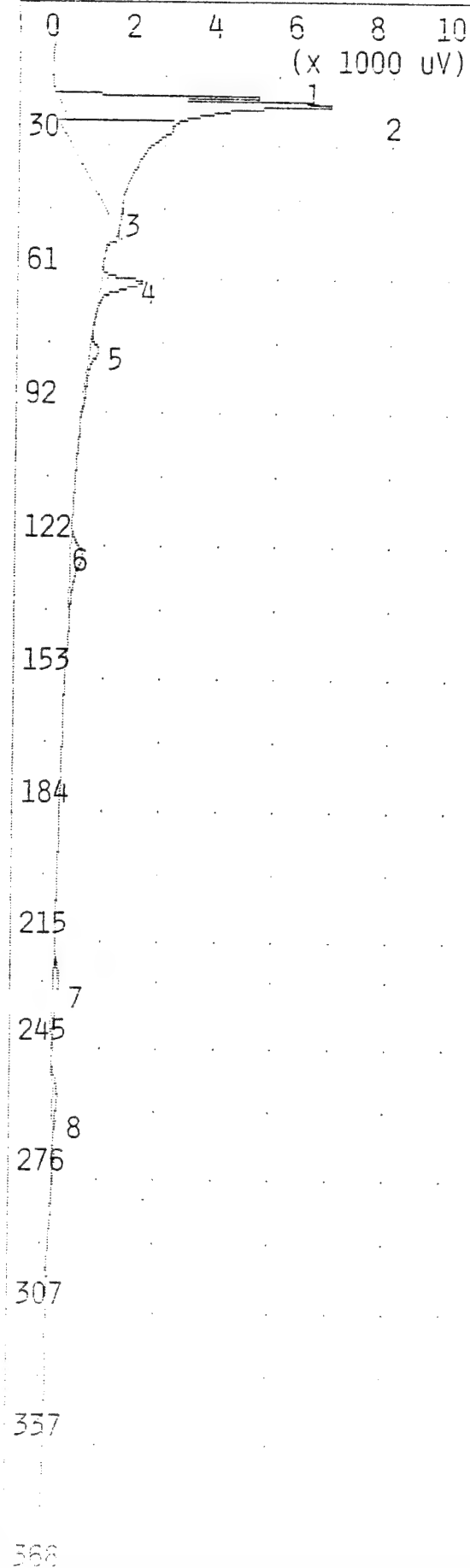
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.032 MVS | 17.4  |
| 2  | UNKNOWN       | 13.24 MVS | 19.2  |
| 3  | BENZENE       | 1.909 PPB | 60.3  |
| 4  | TOLUENE       | 3.414 PPB | 123.2 |
| 5  | ETHYLBENZENE  | 15.88 PPB | 257.6 |
| 6  | MP-XYLENE     | 28.65 PPB | 276.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK

# ANALYSIS #7 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 15,94 10:23

SAMPLE TIME: NOV 15,94 10:16

## METHOD

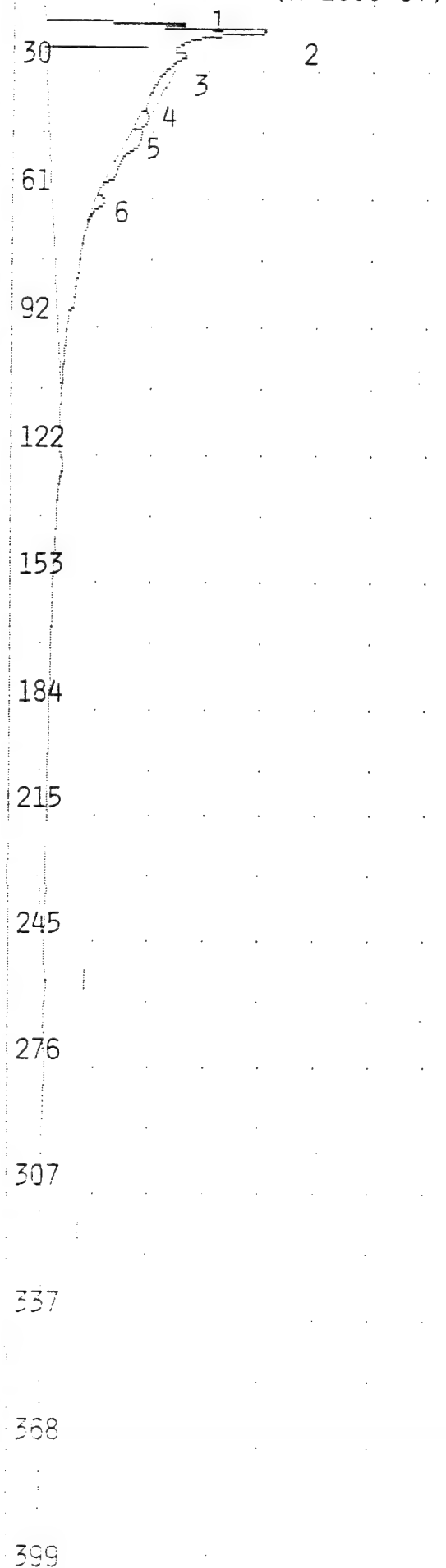
SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.231 MVS | 17.3  |
| 2  | UNKNOWN       | 47.42 MVS | 19.0  |
| 3  | UNKNOWN       | 0.059 MVS | 43.8  |
| 4  | BENZENE       | 1.719 PPB | 60.4  |
| 5  | UNKNOWN       | 1.246 MVS | 76.0  |
| 6  | TOLUENE       | 2.018 PPB | 123.0 |
| 7  | UNKNOWN       | 1.506 MVS | 228.2 |
| 8  | ETHYLBENZENE  | 2.182 PPB | 256.2 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 CB-005PZ 3.5- 5.0

0 4 8 12 16 20  
(x 1000 UV)

TIME PRINTED: NOV 15,94 10:34

SAMPLE TIME: NOV 15,94 10:26

## METHOD

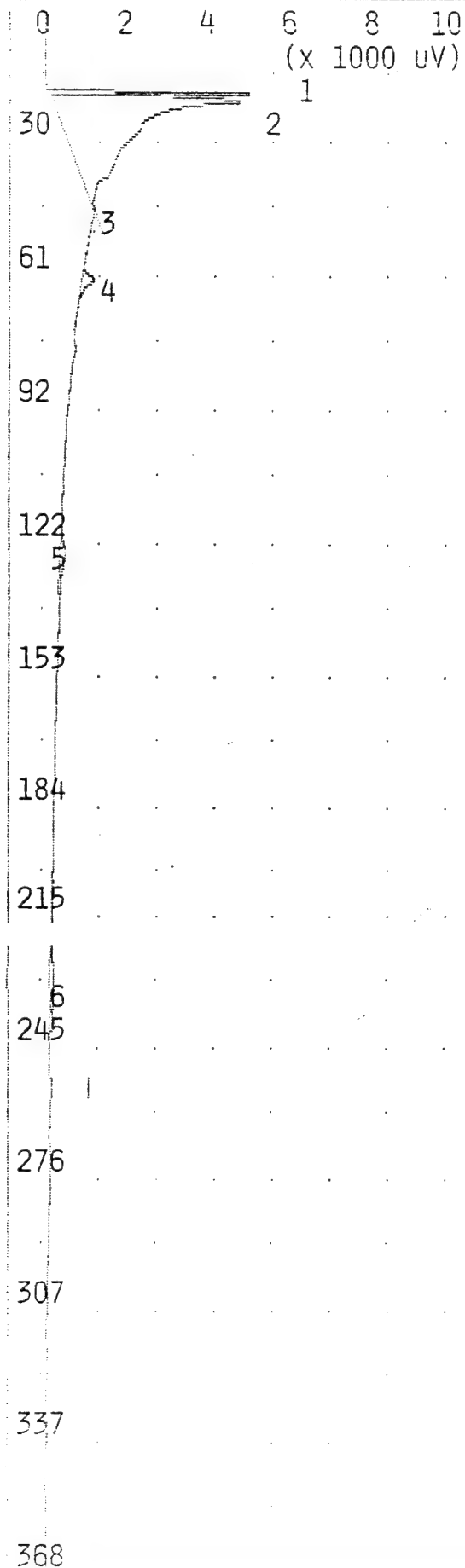
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 28    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 430.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 7.870 MVS | 17.2 |
| 2  | UNKNOWN       | 251.2 MVS | 18.9 |
| 3  | UNKNOWN       | 1.998 MVS | 24.9 |
| 4  | UNKNOWN       | 2.194 MVS | 39.8 |
| 5  | UNKNOWN       | 6.266 MVS | 43.8 |
| 6  | BENZENE       | 0.740 PPB | 60.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-005PZ 8.5-10.0



TIME PRINTED: NOV 15,94 10:44

SAMPLE TIME: NOV 15,94 10:36

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.543 MVS | 17.3  |
| 2  | UNKNOWN       | 36.30 MVS | 19.0  |
| 3  | UNKNOWN       | 0.026 MVS | 44.0  |
| 4  | BENZENE       | 0.442 PPB | 60.5  |
| 5  | TOLUENE       | 0.765 PPB | 123.2 |
| 6  | UNKNOWN       | 0.921 MVS | 227.2 |

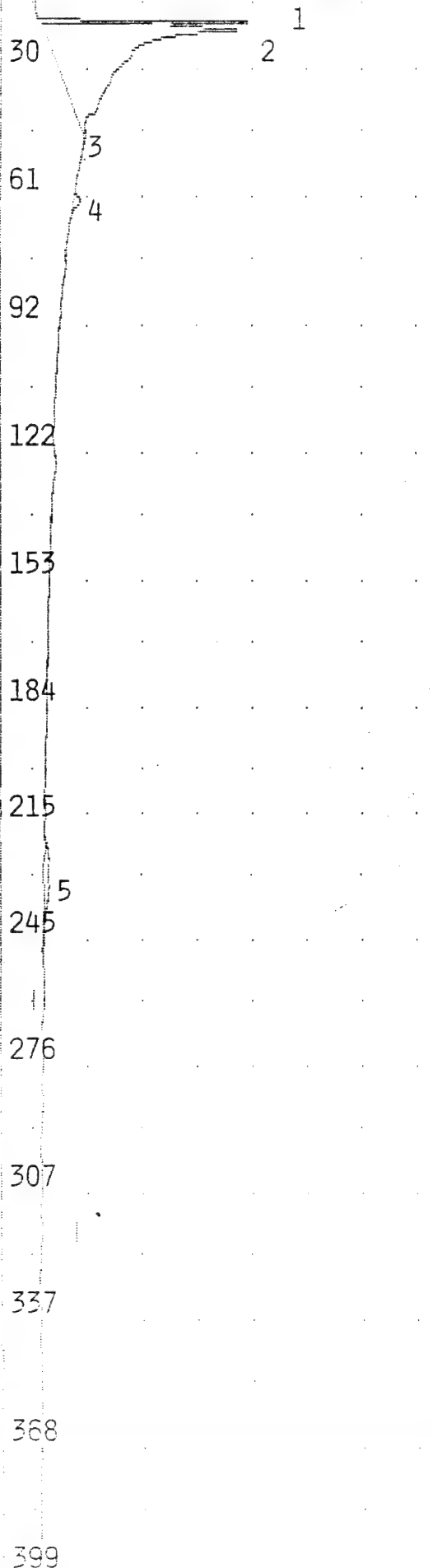
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
CB-005PZ 13.5-15.0



ANALYSIS #10 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 1000 UV)



TIME PRINTED: Nov 15,94 10:54

SAMPLE TIME: Nov 15,94 10:47

METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

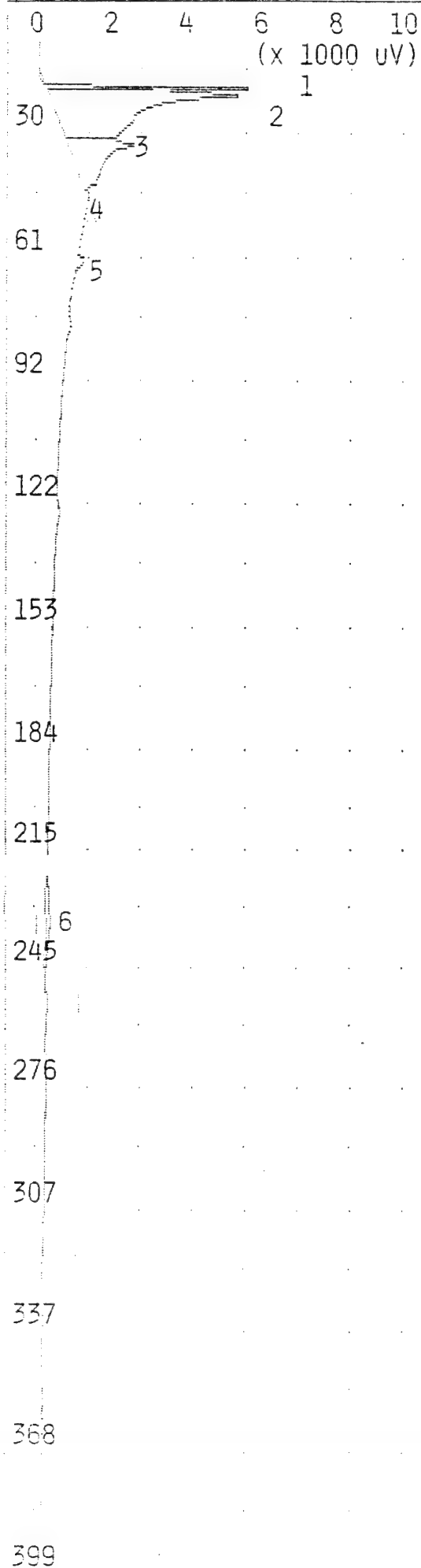
PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.929 MVS | 17.4  |
| 2  | UNKNOWN       | 39.54 MVS | 19.1  |
| 3  | UNKNOWN       | 0.076 MVS | 44.2  |
| 4  | BENZENE       | 0.255 PPB | 60.1  |
| 5  | UNKNOWN       | 1.820 MVS | 228.2 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
CB-005PZ 18.5-20.0

ANALYSIS #11 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 15,94 11:04  
 SAMPLE TIME: Nov 15,94 10:57  
 METHOD  
 SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

| PEAK REPORT |               |           |       |
|-------------|---------------|-----------|-------|
| PK          | COMPOUND NAME | AREA/CONC | R.T.  |
| 1           | UNKNOWN       | 6.038 MVS | 17.3  |
| 2           | UNKNOWN       | 30.95 MVS | 19.0  |
| 3           | UNKNOWN       | 10.62 MVS | 31.6  |
| 4           | UNKNOWN       | 0.176 MVS | 44.0  |
| 5           | BENZENE       | 0.273 PPB | 60.4  |
| 6           | UNKNOWN       | 1.202 MVS | 227.4 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANGS  
 CB-005PZ 23.5-24.5

## ANALYSIS #12

## 10S+ GC FUNCTION ANALYSIS REPORT

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: Nov 15,94 11:15

SAMPLE TIME: Nov 15,94 11:08

## METHOD

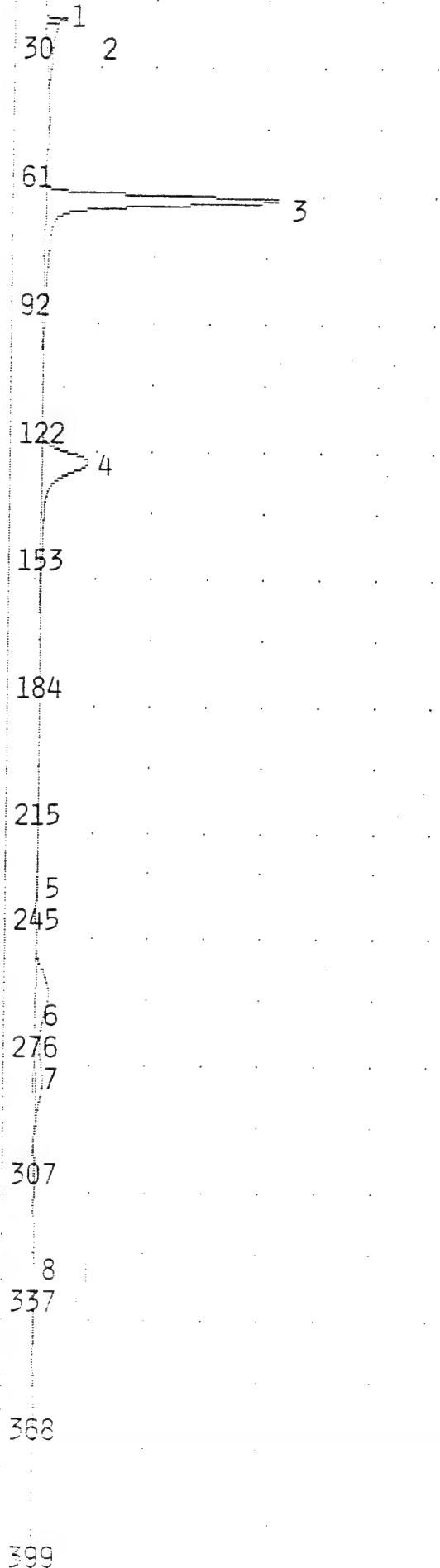
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

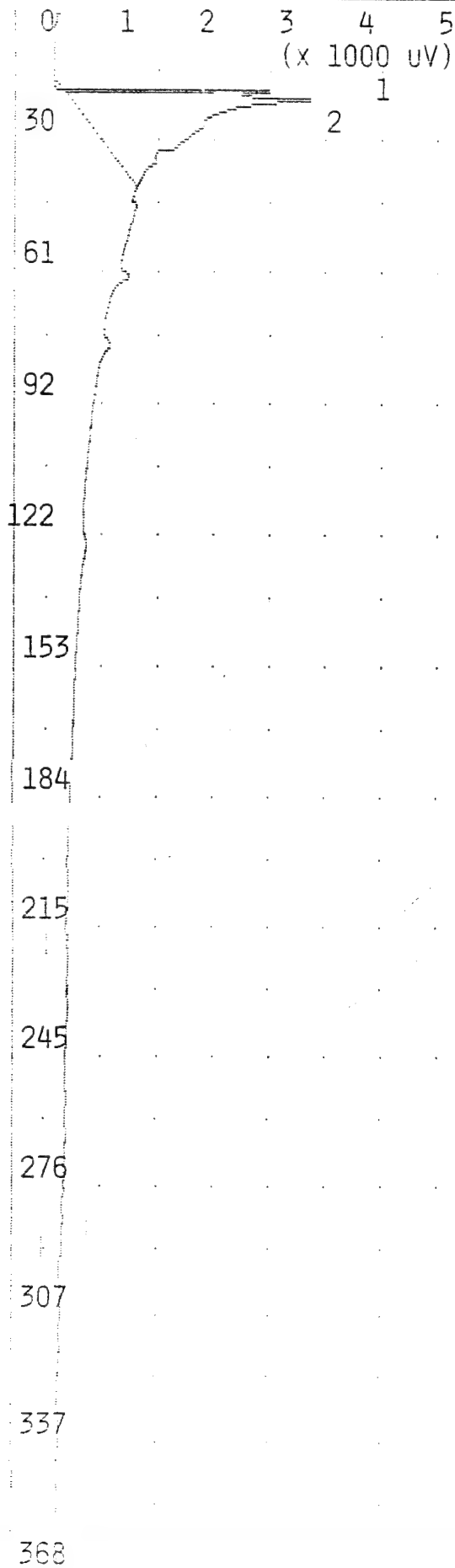
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.487 MVS | 17.4  |
| 2  | UNKNOWN       | 26.15 MVS | 19.1  |
| 3  | BENZENE       | 99.93 PPB | 60.5  |
| 4  | TOLUENE       | 90.35 PPB | 123.4 |
| 5  | UNKNOWN       | 2.158 MVS | 228.2 |
| 6  | ETHYLBENZENE  | 84.15 PPB | 257.0 |
| 7  | MP-XYLENE     | 171.1 PPB | 276.8 |
| 8  | O-XYLENE      | 79.97 PPB | 324.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG5  
100 PPB BTEX



ANALYSIS #13 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 15,94 11:25

SAMPLE TIME: NOV 15,94 11:18

METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 28 C  
 MAX GAIN 1000

ANALYSIS TIME 430.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.211 MVS | 17.5 |
| 2  | UNKNOWN       | 23.71 MVS | 19.2 |

NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 AIR BLANK

0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 17,94 13:24

SAMPLE TIME: NOV 17,94 13:17

## METHOD

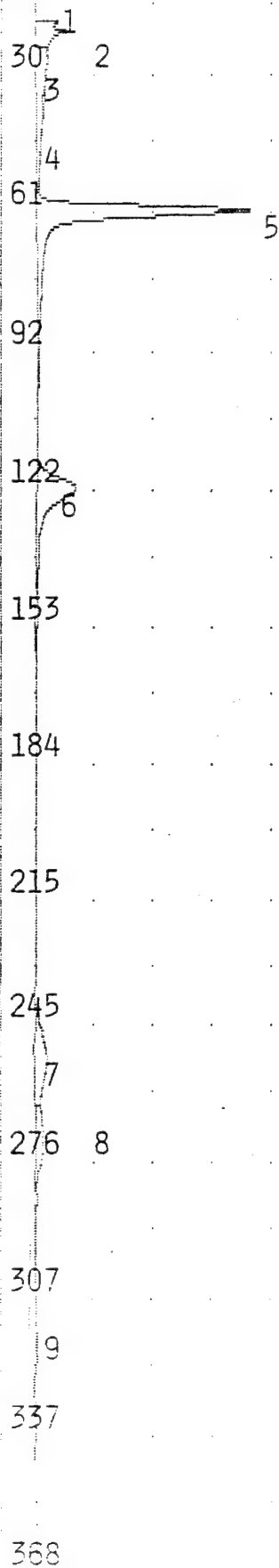
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.129 MVS | 17.0  |
| 2  | UNKNOWN       | 73.12 MVS | 18.6  |
| 3  | UNKNOWN       | 0.444 MVS | 24.7  |
| 4  | UNKNOWN       | 0.300 MVS | 44.2  |
| 5  | UNKNOWN       | 186.8 MVS | 59.0  |
| 6  | UNKNOWN       | 69.29 MVS | 120.4 |
| 7  | UNKNOWN       | 38.55 MVS | 250.4 |
| 8  | UNKNOWN       | 27.33 MVS | 269.3 |
| 9  | UNKNOWN       | 4.568 MVS | 315.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



0 2 4 6 8 10  
(x 10 MV)

TIME PRINTED: NOV 17,94 13:32

SAMPLE TIME: NOV 17,94 13:17

## METHOD

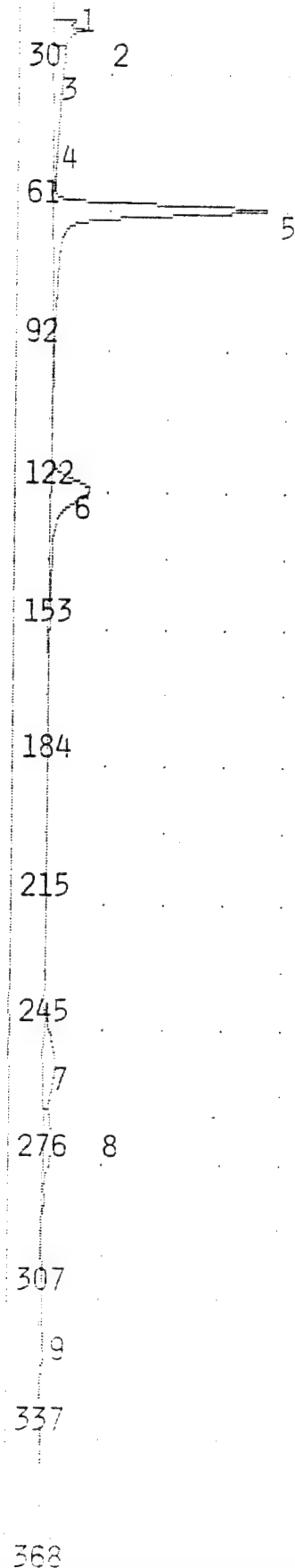
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.129 MVS | 17.0  |
| 2  | UNKNOWN       | 73.12 MVS | 18.6  |
| 3  | UNKNOWN       | 0.444 MVS | 24.7  |
| 4  | UNKNOWN       | 0.300 MVS | 44.2  |
| 5  | BENZENE       | 100.0 PPB | 59.0  |
| 6  | TOLUENE       | 100.0 PPB | 120.4 |
| 7  | ETHYLBENZENE  | 100.0 PPB | 250.4 |
| 8  | MP-XYLENE     | 200.0 PPB | 269.3 |
| 9  | O-XYLENE      | 100.0 PPB | 315.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



## ANALYSIS #2

## 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5  
(x 100 MV)

TIME PRINTED: NOV 17,94 13:43

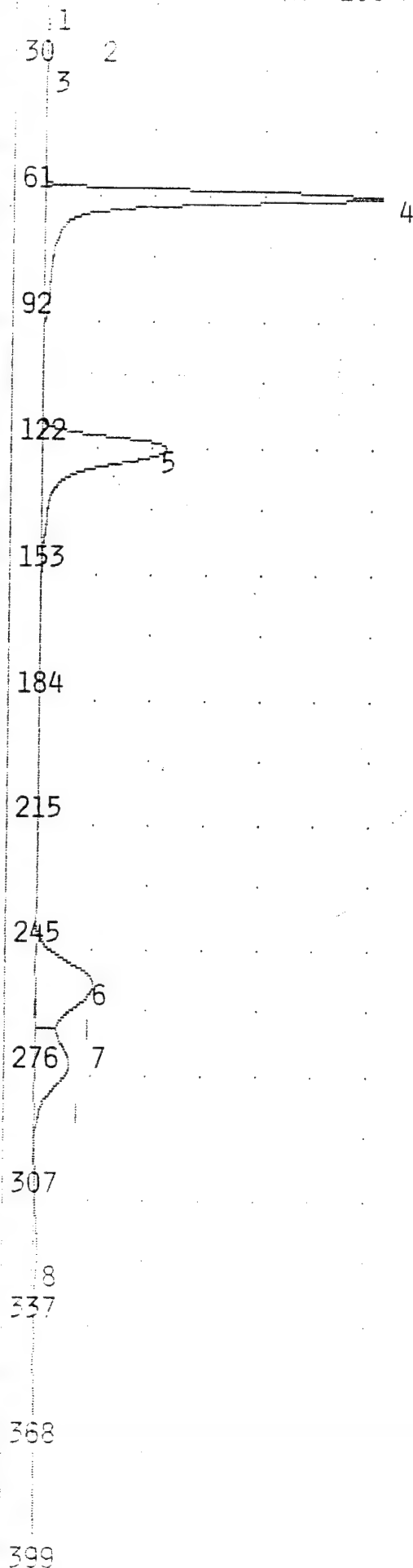
SAMPLE TIME: NOV 17,94 13:36

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.986 MVS | 17.0  |
| 2  | UNKNOWN       | 13.99 MVS | 18.7  |
| 3  | UNKNOWN       | 12.08 MVS | 24.7  |
| 4  | BENZENE       | 1.045 PPM | 59.7  |
| 5  | TOLUENE       | 1.992 PPM | 121.0 |
| 6  | ETHYLBENZENE  | 2.677 PPM | 252.0 |
| 7  | MP-XYLENE     | 4.483 PPM | 271.2 |
| 8  | O-XYLENE      | 3.209 PPM | 318.4 |



## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
1 PPM BTEX

0 1 2 3 4 5  
(x 100 MV)

TIME PRINTED: NOV 17,94 13:47

SAMPLE TIME: NOV 17,94 13:36

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 27 C

MAX GAIN 1000

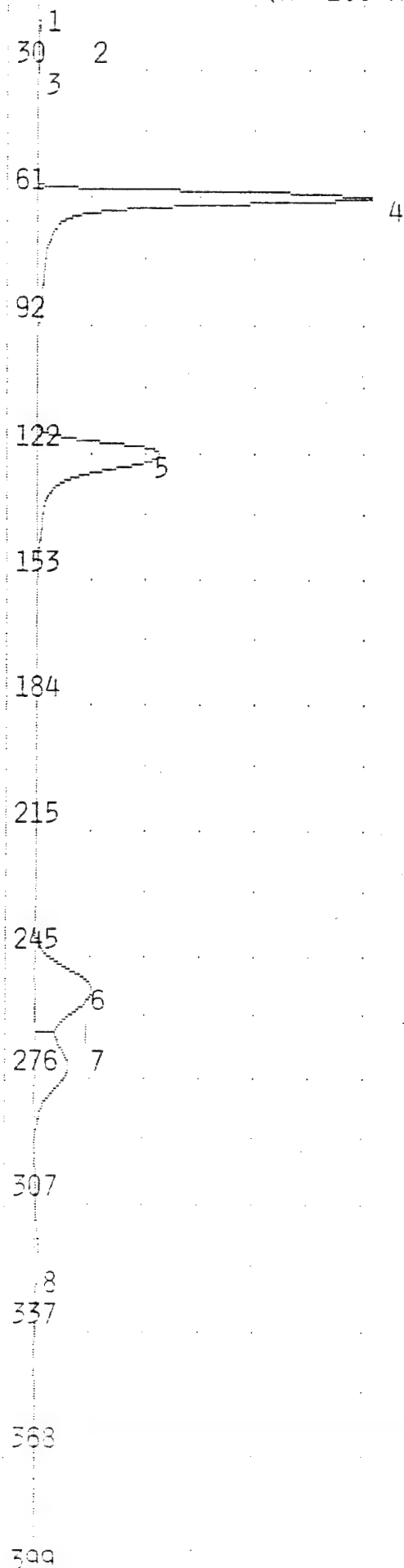
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.986 MVS | 17.0  |
| 2  | UNKNOWN       | 13.99 MVS | 18.7  |
| 3  | UNKNOWN       | 12.08 MVS | 24.7  |
| 4  | BENZENE       | 1.000 PPM | 59.7  |
| 5  | TOLUENE       | 1.000 PPM | 121.0 |
| 6  | ETHYLBENZENE  | 1.000 PPM | 252.0 |
| 7  | MP-XYLENE     | 2.000 PPM | 271.2 |
| 8  | O-XYLENE      | 1.005 PPM | 318.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
1 PPM BTEX





0 2 4 6 8 10  
(x 100 MV)

TIME PRINTED: NOV 17,94 13:58

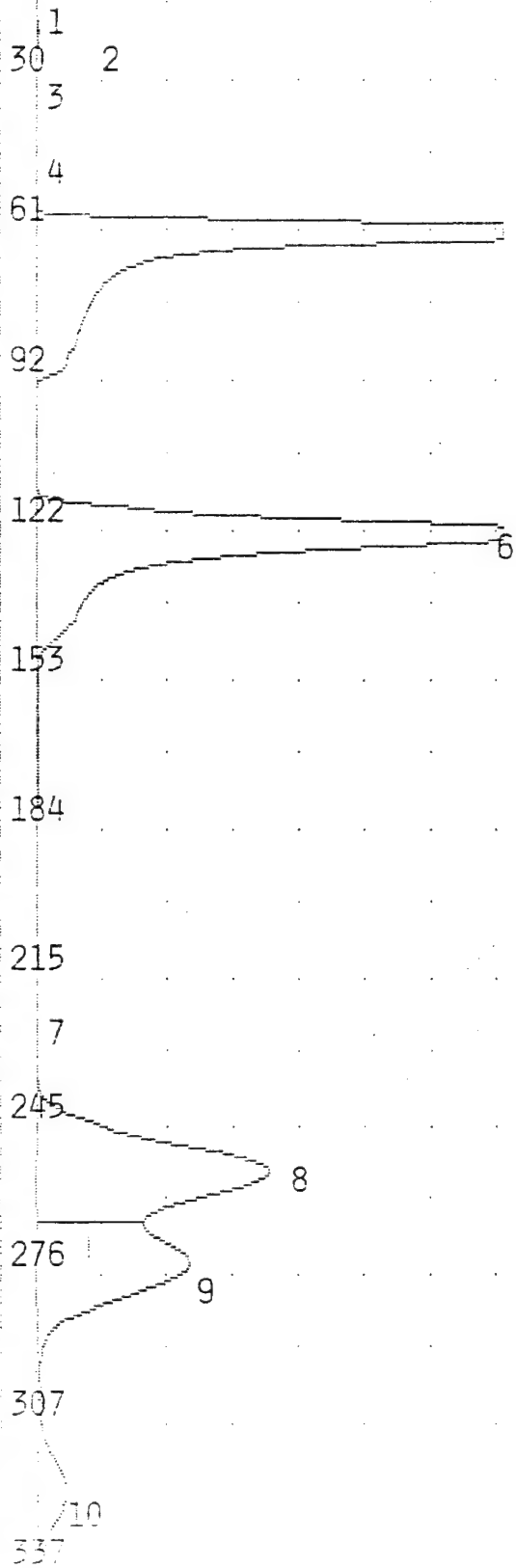
SAMPLE TIME: NOV 17,94 13:51

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.951 MVS | 17.0  |
| 2  | UNKNOWN       | 63.86 MVS | 18.6  |
| 3  | UNKNOWN       | 0.557 MVS | 24.8  |
| 4  | UNKNOWN       | 0.091 MVS | 44.4  |
| 5  | BENZENE       | 6.427 PPM | 60.0  |
| 6  | TOLUENE       | 7.661 PPM | 121.4 |
| 7  | UNKNOWN       | 4.515 MVS | 219.2 |
| 8  | ETHYLBENZENE  | 6.938 PPM | 252.8 |
| 9  | MP-XYLENE     | 15.85 PPM | 272.0 |
| 10 | O-XYLENE      | 6.897 PPM | 318.9 |

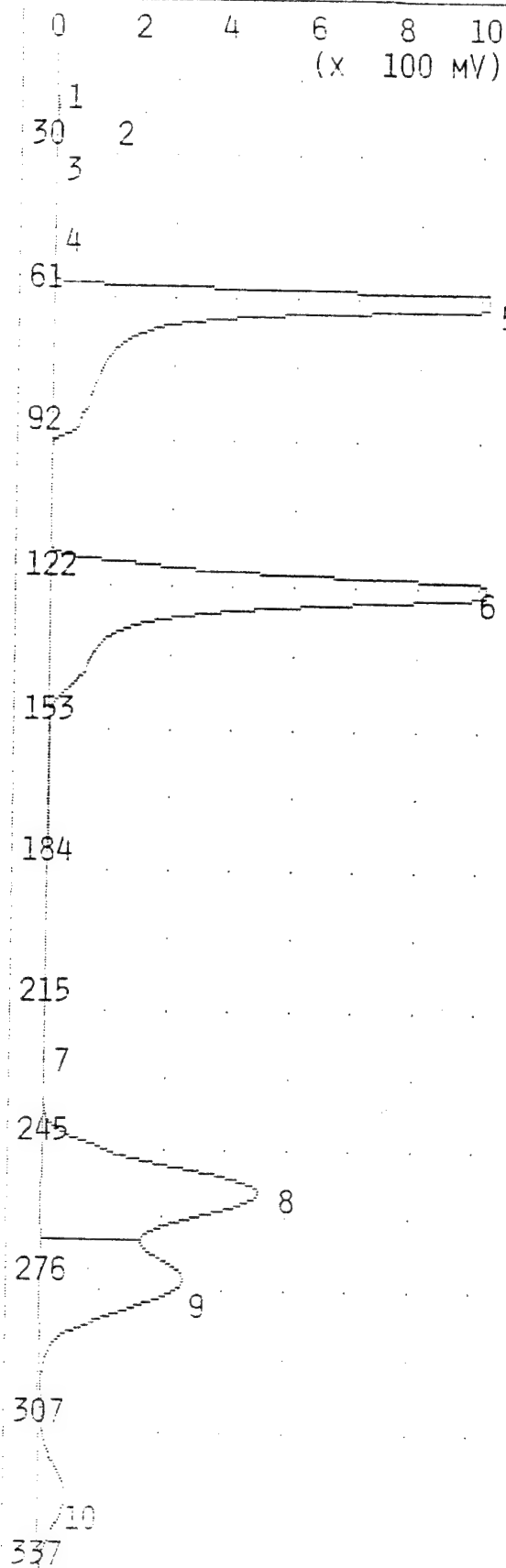


## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10<sup>3</sup> PPM BTEX

## ANALYSIS #3

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 17,94 14:03

SAMPLE TIME: NOV 17,94 13:51

## METHOD

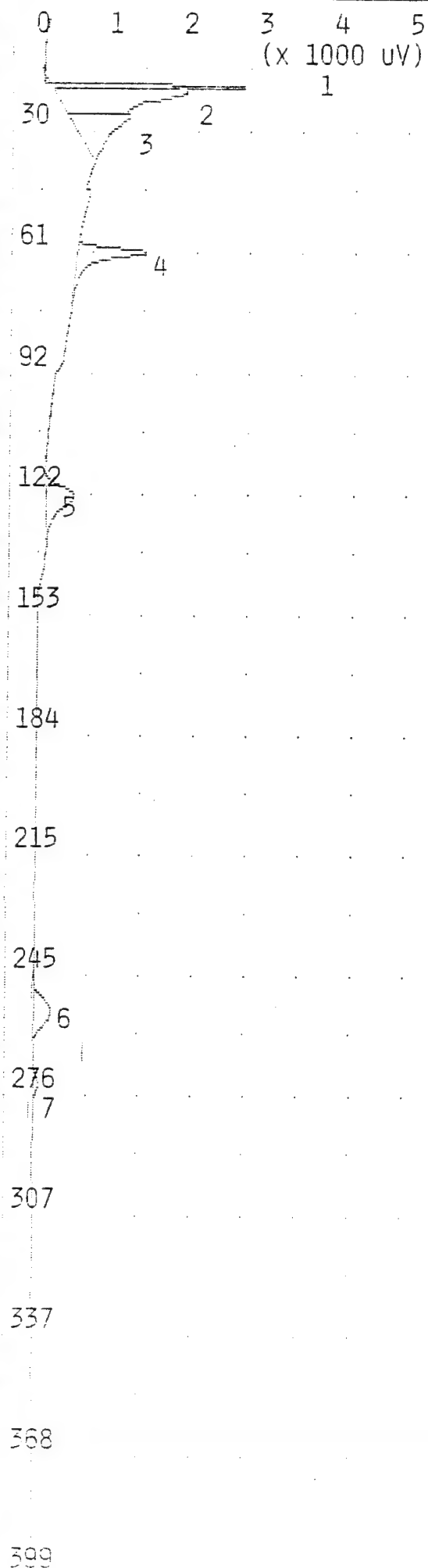
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.951 MVS | 17.0  |
| 2  | UNKNOWN       | 63.86 MVS | 18.6  |
| 3  | UNKNOWN       | 0.557 MVS | 24.8  |
| 4  | UNKNOWN       | 0.091 MVS | 44.4  |
| 5  | BENZENE       | 10.00 PPM | 60.0  |
| 6  | TOLUENE       | 10.00 PPM | 121.4 |
| 7  | UNKNOWN       | 4.515 MVS | 219.2 |
| 8  | ETHYLBENZENE  | 10.00 PPM | 252.8 |
| 9  | MP-XYLENE     | 20.00 PPM | 272.0 |
| 10 | O-XYLENE      | 10.02 PPM | 318.9 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX



TIME PRINTED: NOV 17,94 14:14

SAMPLE TIME: NOV 17,94 14:06

## METHOD

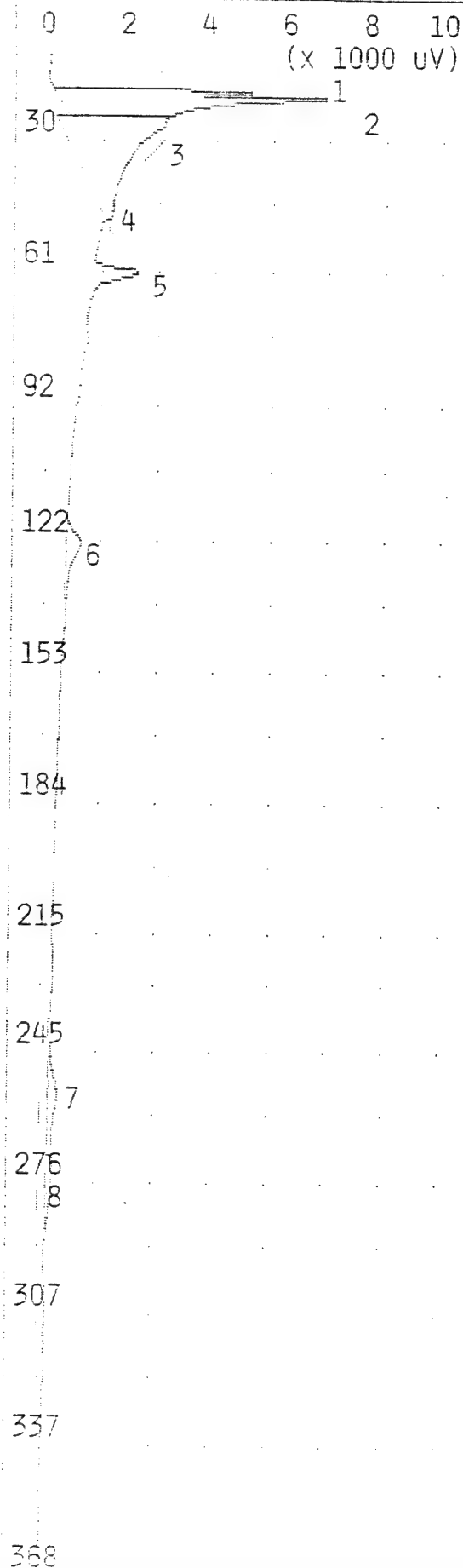
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.636 MVS | 17.1  |
| 2  | UNKNOWN       | 7.621 MVS | 18.9  |
| 3  | UNKNOWN       | 4.907 MVS | 24.7  |
| 4  | BENZENE       | 1.723 PPB | 59.4  |
| 5  | TOLUENE       | 4.012 PPB | 121.3 |
| 6  | ETHYLBENZENE  | 17.65 PPB | 253.3 |
| 7  | MP-XYLENE     | 31.47 PPB | 271.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
AIR BLANK



TIME PRINTED: NOV 17,94 14:24

SAMPLE TIME: NOV 17,94 14:17

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 28 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.948 MVS | 17.2  |
| 2  | UNKNOWN       | 45.55 MVS | 18.8  |
| 3  | UNKNOWN       | 0.324 MVS | 24.9  |
| 4  | UNKNOWN       | 0.084 MVS | 43.8  |
| 5  | BENZENE       | 1.948 PPB | 59.6  |
| 6  | TOLUENE       | 3.359 PPB | 121.6 |
| 7  | ETHYLBENZENE  | 7.801 PPB | 253.6 |
| 8  | MP-XYLENE     | 10.39 PPB | 272.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
MSS-004BH 3.5- 9.5

0 1 2 3 4 5  
(x 1000 uV)

TIME PRINTED: NOV 17,94 14:34

SAMPLE TIME: NOV 17,94 14:27

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.097 MVS | 17.2  |
| 2  | UNKNOWN       | 10.10 MVS | 19.0  |
| 3  | BENZENE       | 0.629 PPB | 59.7  |
| 4  | TOLUENE       | 1.564 PPB | 121.7 |
| 5  | ETHYLBENZENE  | 1.421 PPB | 252.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
SF-003BH 1.0- 2.0

## ANALYSIS #7

## 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5  
(x 1000 UV)

TIME PRINTED: Nov 17,94 14:49

SAMPLE TIME: Nov 17,94 14:37

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 29 C

MAX GAIN 1000

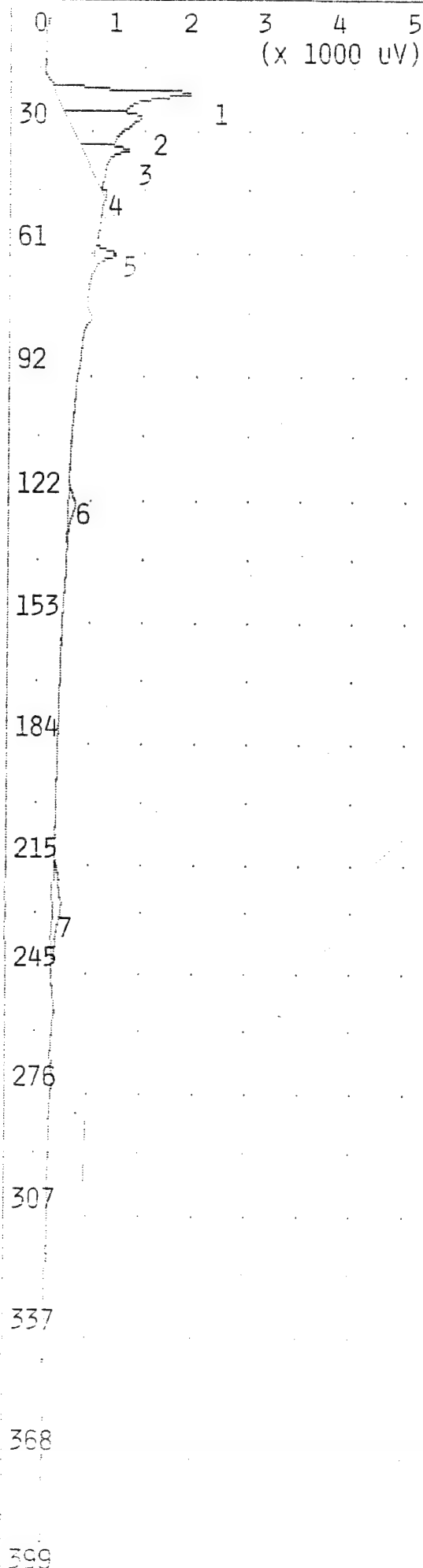
ANALYSIS TIME 430.0 SEC

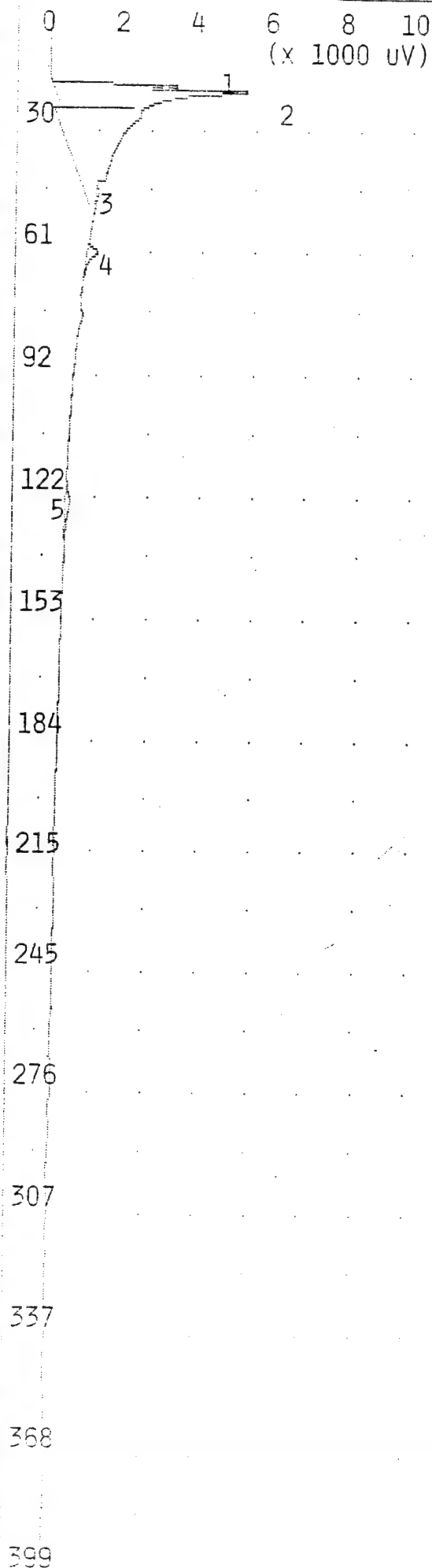
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.635 MVS | 18.7  |
| 2  | UNKNOWN       | 6.090 MVS | 25.1  |
| 3  | UNKNOWN       | 2.871 MVS | 33.4  |
| 4  | UNKNOWN       | 0.100 MVS | 44.1  |
| 5  | BENZENE       | 0.467 PPB | 59.6  |
| 6  | TOLUENE       | 0.817 PPB | 121.8 |
| 7  | UNKNOWN       | 1.351 MVS | 225.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SF-001BH 4.5- 5.5





TIME PRINTED: NOV 17,94 14:59

SAMPLE TIME: NOV 17,94 14:52

## METHOD

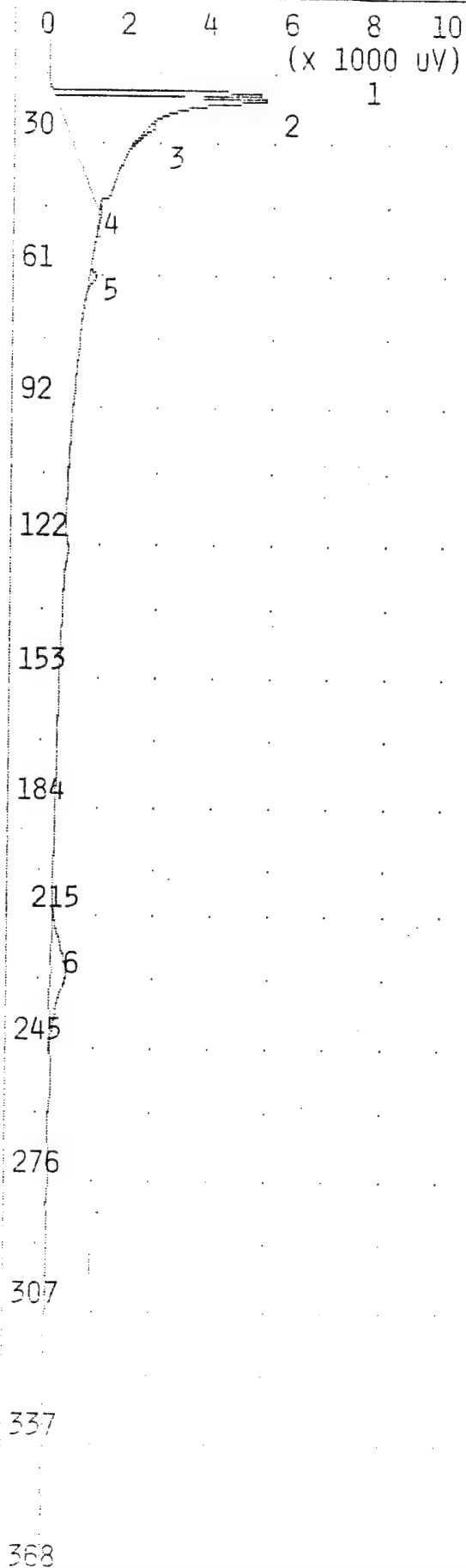
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 29    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 430.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.778 MVS | 17.2  |
| 2  | UNKNOWN       | 41.09 MVS | 18.8  |
| 3  | UNKNOWN       | 0.156 MVS | 43.3  |
| 4  | BENZENE       | 0.424 PPB | 59.6  |
| 5  | TOLUENE       | 0.844 PPB | 121.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
TS-002BH 1.0- 2.0



TIME PRINTED: NOV 17,94 15:10

SAMPLE TIME: NOV 17,94 15:03

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.673 MVS | 17.1  |
| 2  | UNKNOWN       | 41.27 MVS | 18.8  |
| 3  | UNKNOWN       | 0.264 MVS | 24.7  |
| 4  | UNKNOWN       | 0.070 MVS | 43.9  |
| 5  | BENZENE       | 0.264 PPB | 59.7  |
| 6  | UNKNOWN       | 5.210 MVS | 225.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGUS  
A40-002BH 4.5



0 1 2 3 4 5  
(x 10 MV)

TIME PRINTED: NOV 17,94 15:20

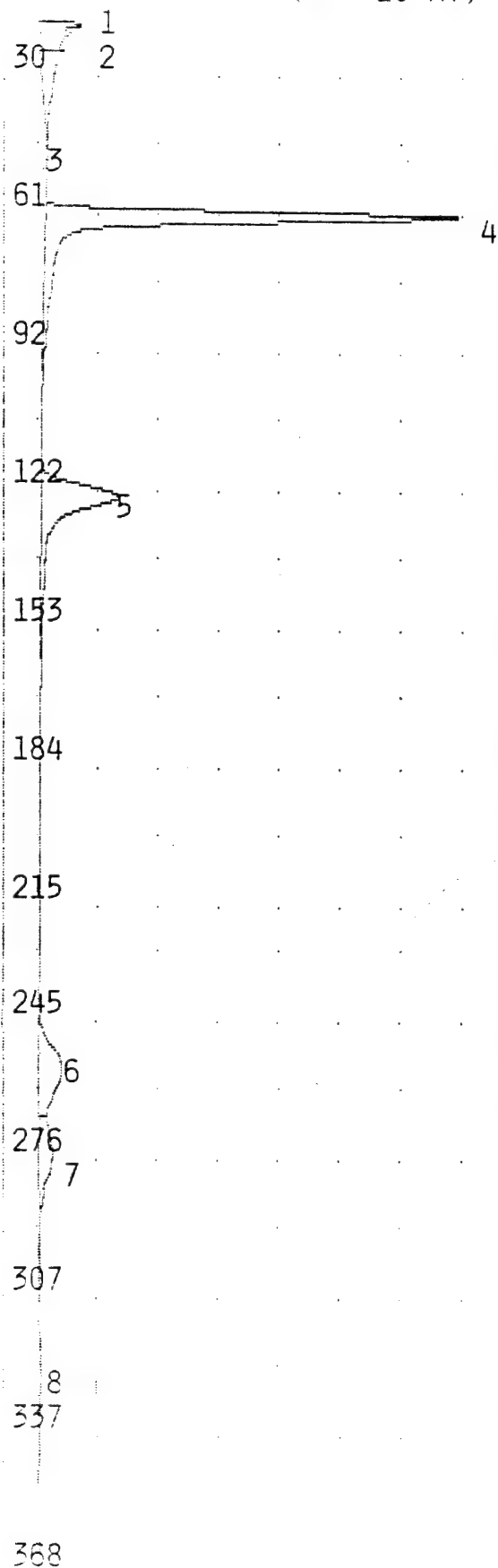
SAMPLE TIME: NOV 17,94 15:13

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

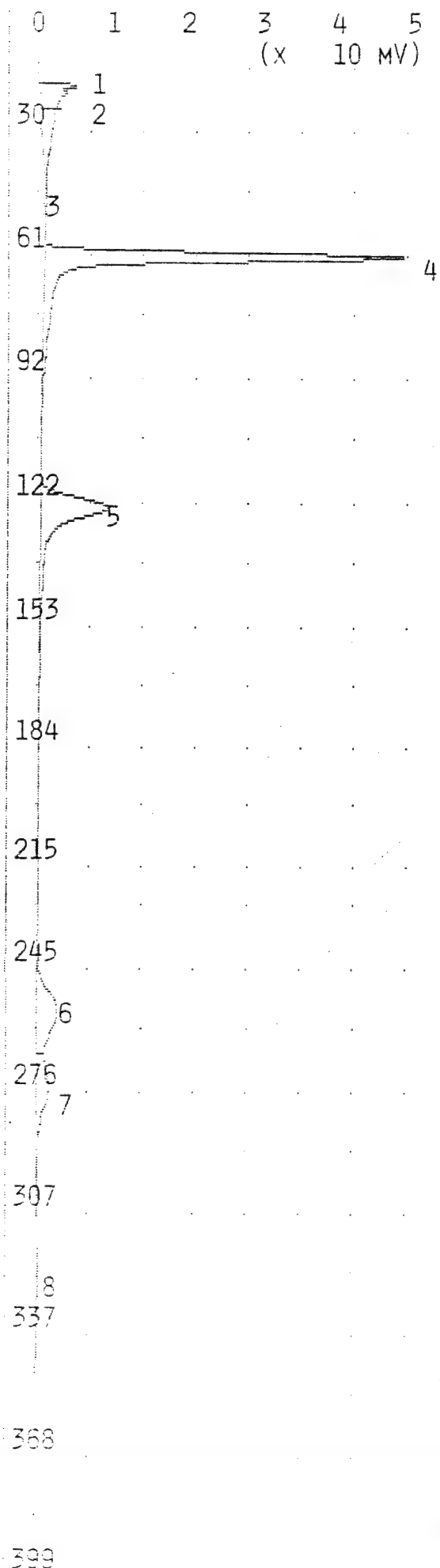
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.055 MVS | 17.1  |
| 2  | UNKNOWN       | 31.36 MVS | 18.8  |
| 3  | UNKNOWN       | 0.016 MVS | 43.6  |
| 4  | BENZENE       | 84.06 PPB | 59.8  |
| 5  | TOLUENE       | 95.05 PPB | 121.8 |
| 6  | ETHYLBENZENE  | 92.35 PPB | 253.8 |
| 7  | MP-XYLENE     | 185.6 PPB | 272.8 |
| 8  | O-XYLENE      | 87.98 PPB | 319.2 |



## NOTES

JOE BYRD, JR.  
COOS BAY ANGS  
100 PPB BTEX

## ANALYSIS #10 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 17,94 15:24

SAMPLE TIME: NOV 17,94 15:13

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.055 MVS | 17.1  |
| 2  | UNKNOWN       | 31.36 MVS | 18.8  |
| 3  | UNKNOWN       | 0.016 MVS | 43.6  |
| 4  | BENZENE       | 100.0 PPB | 59.8  |
| 5  | TOLUENE       | 99.99 PPB | 121.8 |
| 6  | ETHYLBENZENE  | 100.0 PPB | 253.8 |
| 7  | MP-XYLENE     | 199.9 PPB | 272.8 |
| 8  | O-XYLENE      | 100.0 PPB | 319.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX

Q 1 2 3 4 5  
(x 1000 uV)

TIME PRINTED: Nov 17,94 15:35

SAMPLE TIME: Nov 17,94 15:28

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 29 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 2.926 MVS | 17.3 |
| 2  | UNKNOWN       | 8.709 MVS | 19.0 |
| 3  | UNKNOWN       | 3.422 MVS | 25.0 |

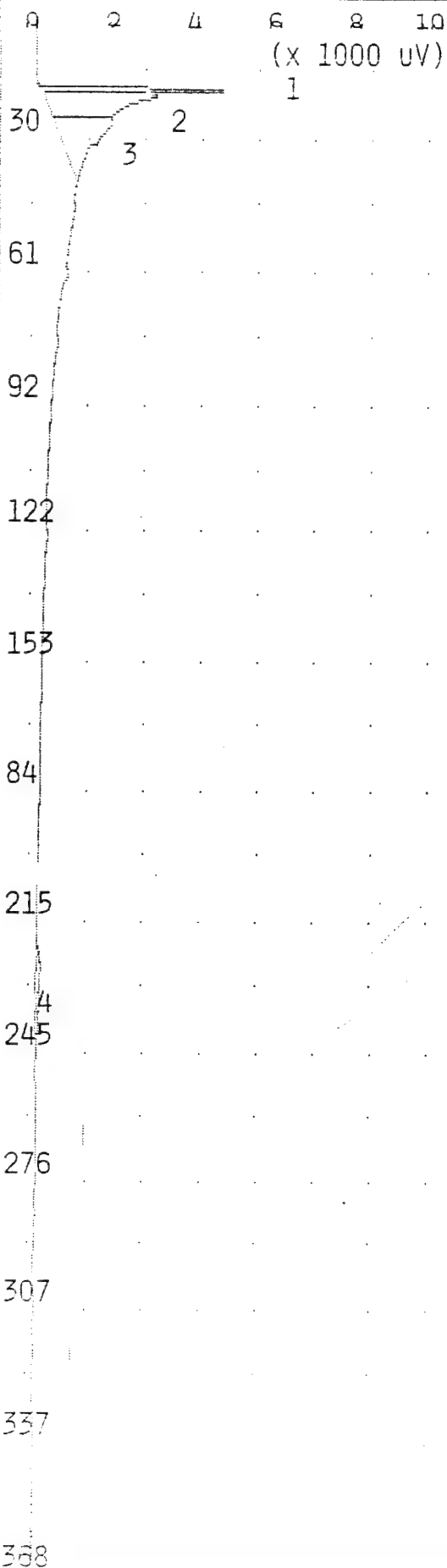
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
AIR BLANK

LH?B

## ANALYSIS #12

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 17,94 15:45

SAMPLE TIME: NOV 17,94 15:38

## METHOD

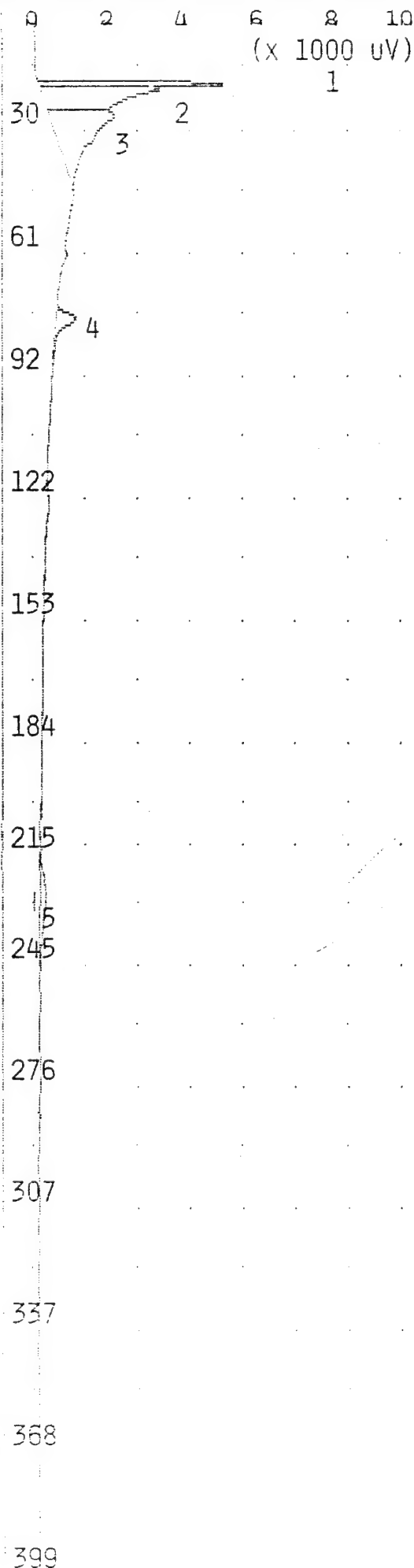
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.848 MVS | 17.2  |
| 2  | UNKNOWN       | 12.11 MVS | 18.8  |
| 3  | UNKNOWN       | 9.464 MVS | 24.9  |
| 4  | UNKNOWN       | 0.994 MVS | 226.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
SF-0023H 1.0- 2.0



TIME PRINTED: NOV 17,94 15:55

SAMPLE TIME: NOV 17,94 15:48

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

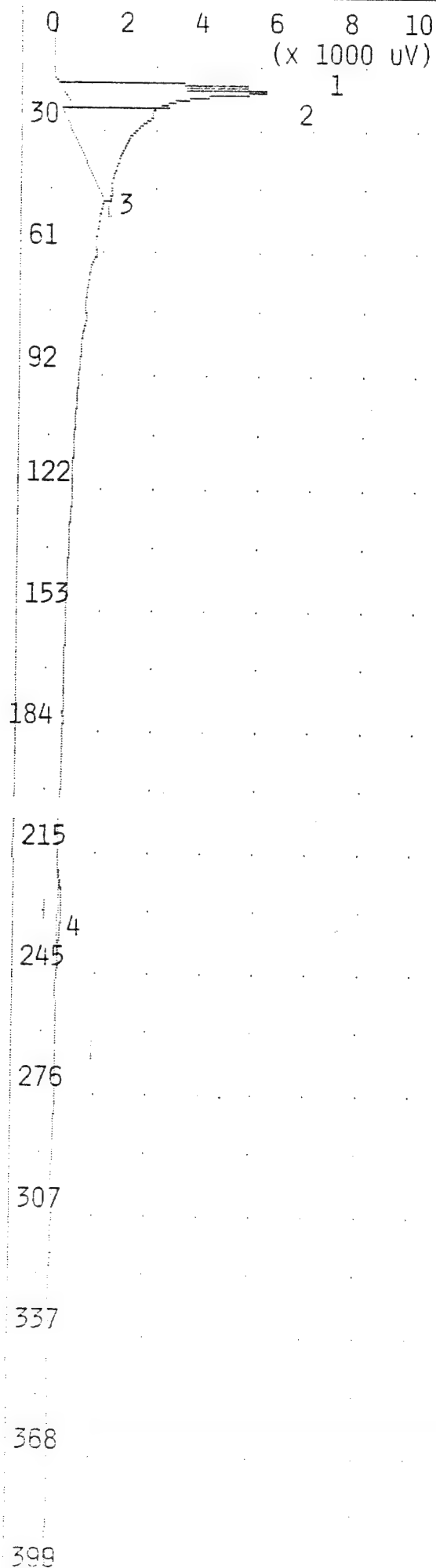
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.187 MVS | 17.1  |
| 2  | UNKNOWN       | 13.32 MVS | 18.8  |
| 3  | UNKNOWN       | 14.54 MVS | 25.2  |
| 4  | UNKNOWN       | 2.027 MVS | 75.7  |
| 5  | UNKNOWN       | 1.882 MVS | 227.4 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
TS-002BH 4.0- 5.0

# ANALYSIS #14 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 17,94 16:10

SAMPLE TIME: Nov 17,94 15:58

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 30 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

## PEAK REPORT

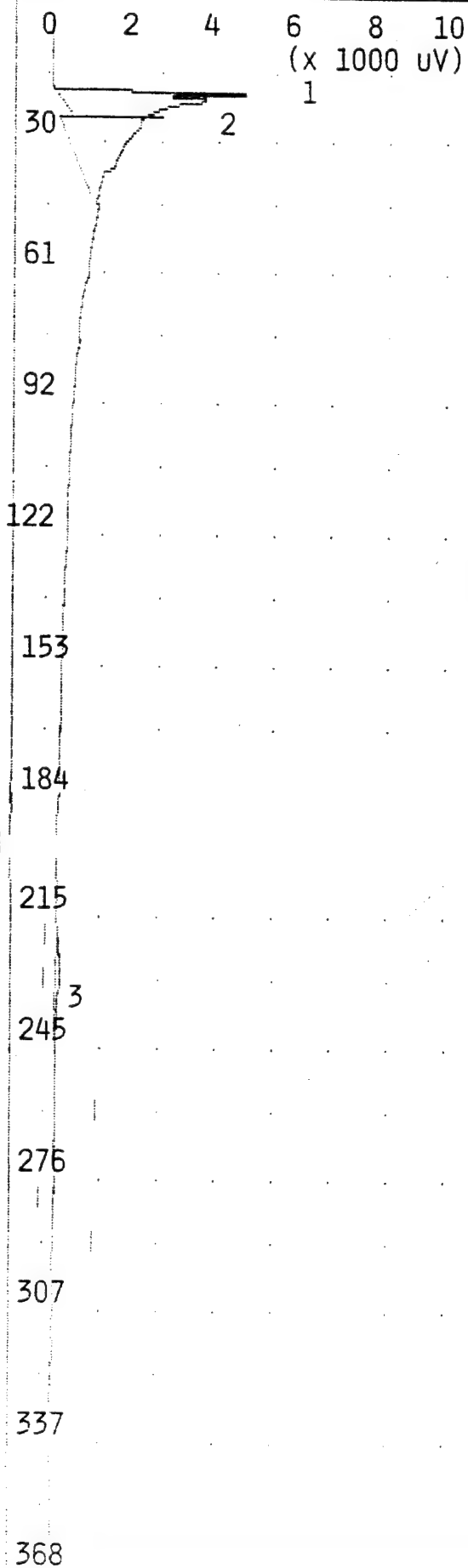
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.209 MVS | 17.2  |
| 2  | UNKNOWN       | 40.12 MVS | 18.9  |
| 3  | UNKNOWN       | 0.059 MVS | 43.8  |
| 4  | UNKNOWN       | 1.015 MVS | 226.4 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 A40-002BH 1.0- 2.0

## ANALYSIS #15

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: Nov 17,94 16:21

SAMPLE TIME: Nov 17,94 16:14

## METHOD

SLOPE UP 0.500 MV/SEC

SLOPE DOWN 1.500 MV/SEC

MIN AREA 0.000 MVSEC

MIN HEIGHT 0.000 MV

ANALYSIS DELAY 0.0 SEC

WINDOW PERCENT 10.0 %

DET FLOW 13 ML/MIN

B/F FLOW 13 ML/MIN

AUX FLOW 0 ML/MIN

OVEN TEMP 40 C

AMB TEMP 30 C

MAX GAIN 1000

ANALYSIS TIME 430.0 SEC

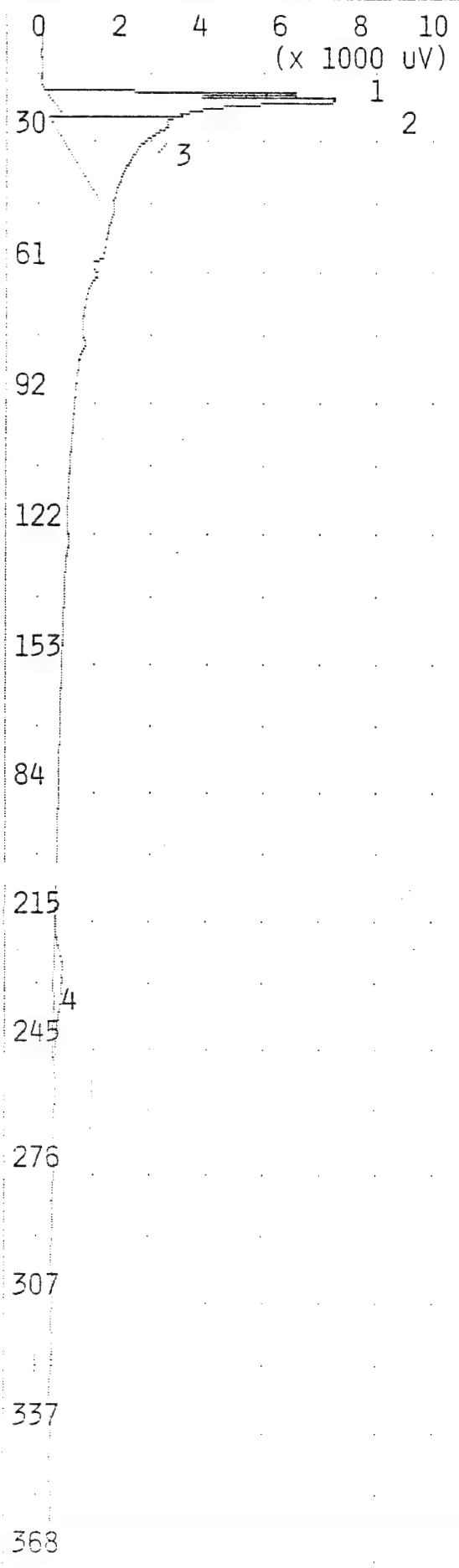
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 5.345 MVS | 17.2  |
| 2  | UNKNOWN       | 29.46 MVS | 18.9  |
| 3  | UNKNOWN       | 1.328 MVS | 226.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
TS-003BH 8.0- 9.0

ANALYSIS #16 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 17,94 16:31  
 SAMPLE TIME: NOV 17,94 16:24  
 METHOD  
 SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 30 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

| PEAK REPORT |               |           |       |
|-------------|---------------|-----------|-------|
| PK          | COMPOUND NAME | AREA/CONC | R.T.  |
| 1           | UNKNOWN       | 6.950 MVS | 17.3  |
| 2           | UNKNOWN       | 47.76 MVS | 19.0  |
| 3           | UNKNOWN       | 0.190 MVS | 25.0  |
| 4           | UNKNOWN       | 2.847 MVS | 226.4 |

NOTES  
 JOE BYRD, JR.  
 COOS BAY ANG  
 MSS-004BH 1.0-2.0



0 1 2 3 4 5  
(x 10 mV)

TIME PRINTED: Nov 17,94 16:41

SAMPLE TIME: Nov 17,94 16:34

## METHOD

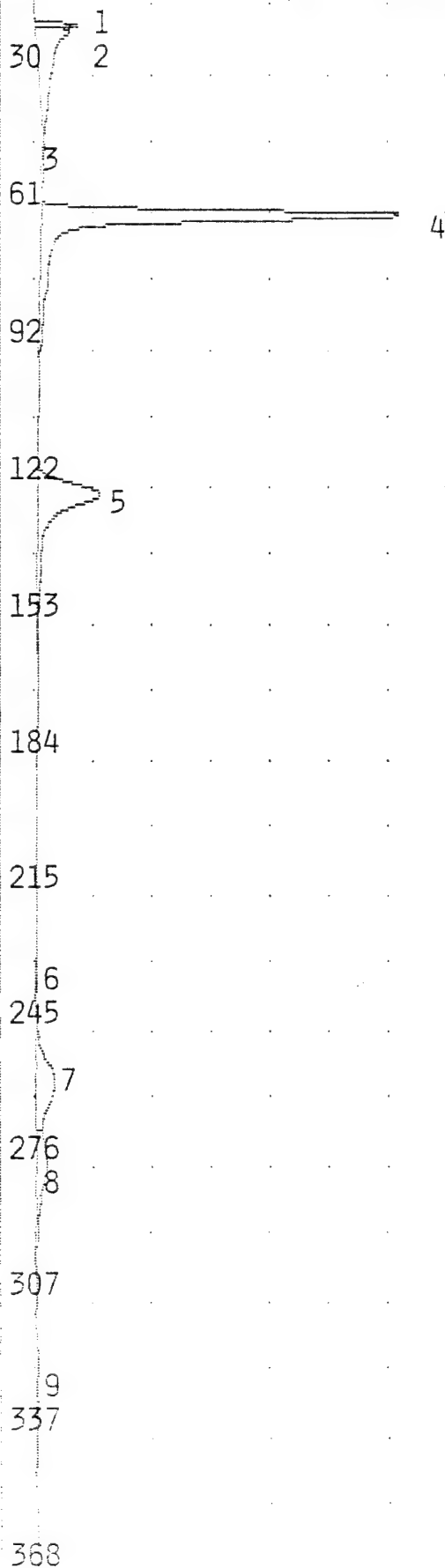
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

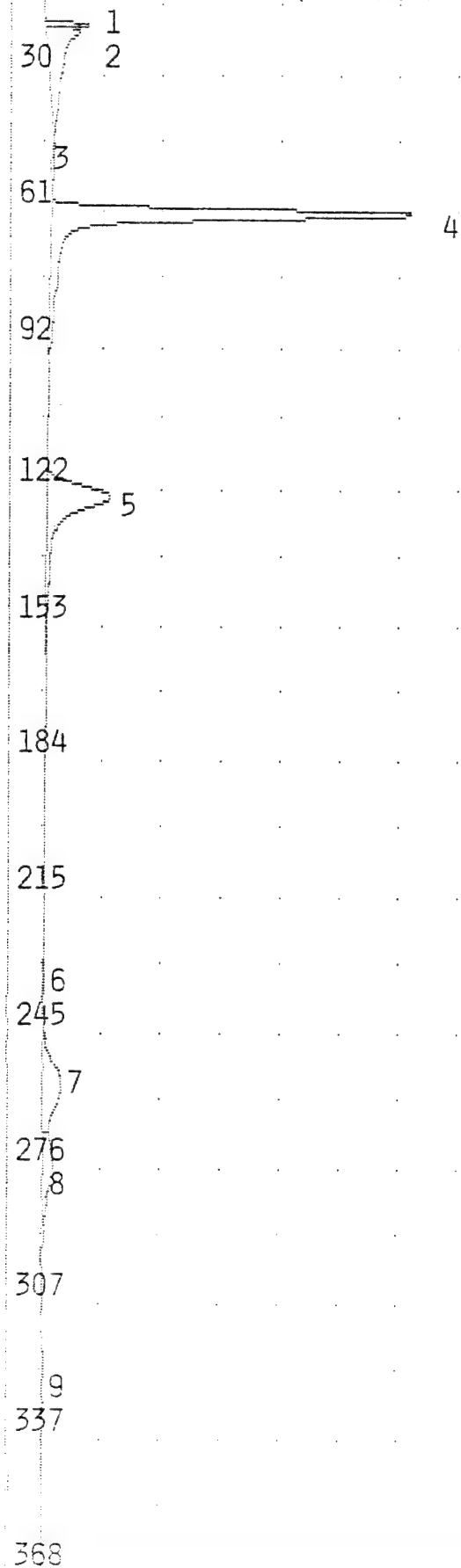
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.551 MVS | 17.2  |
| 2  | UNKNOWN       | 35.86 MVS | 18.9  |
| 3  | UNKNOWN       | 0.060 MVS | 44.1  |
| 4  | BENZENE       | 90.29 PPB | 60.0  |
| 5  | TOLUENE       | 82.71 PPB | 122.4 |
| 6  | UNKNOWN       | 0.641 MVS | 225.4 |
| 7  | ETHYLBENZENE  | 78.79 PPB | 255.2 |
| 8  | MP-XYLENE     | 143.7 PPB | 274.1 |
| 9  | O-XYLENE      | 71.43 PPB | 322.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



0 1 2 3 4 5  
(x 10 MV)



TIME PRINTED: NOV 17,94 16:45

SAMPLE TIME: NOV 17,94 16:34

## METHOD

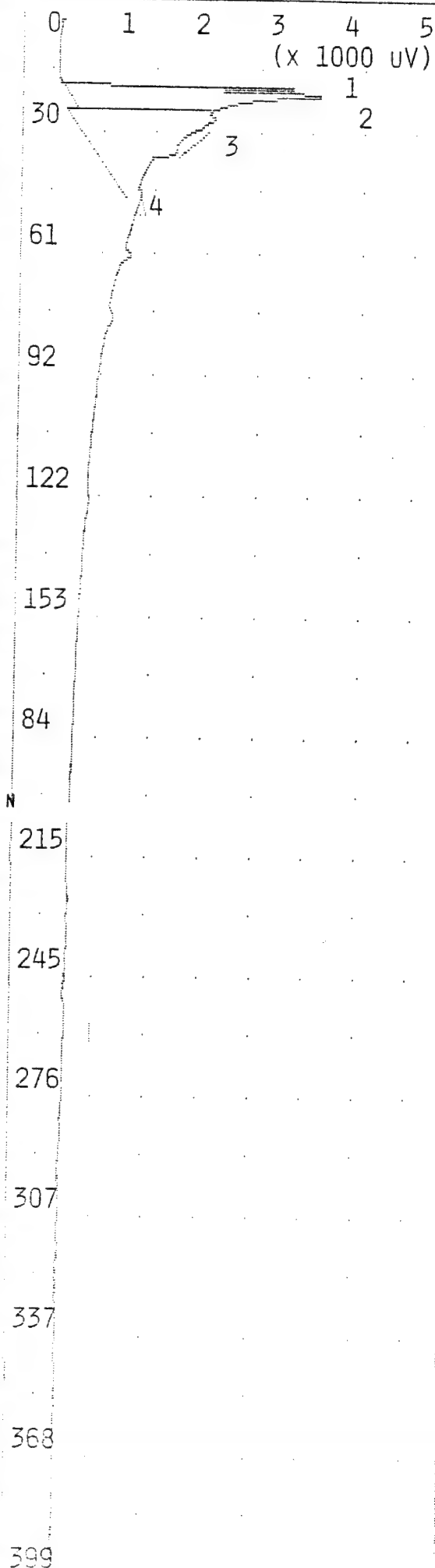
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 6.551 MVS | 17.2  |
| 2  | UNKNOWN       | 35.86 MVS | 18.9  |
| 3  | UNKNOWN       | 0.060 MVS | 44.1  |
| 4  | BENZENE       | 100.0 PPB | 60.0  |
| 5  | TOLUENE       | 100.0 PPB | 122.4 |
| 6  | UNKNOWN       | 0.641 MVS | 225.4 |
| 7  | ETHYLBENZENE  | 99.99 PPB | 255.2 |
| 8  | MP-XYLENE     | 199.9 PPB | 274.1 |
| 9  | O-XYLENE      | 100.0 PPB | 322.1 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
100 PPB BTEX



TIME PRINTED: Nov 17,94 16:55

SAMPLE TIME: Nov 17,94 16:48

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 30 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

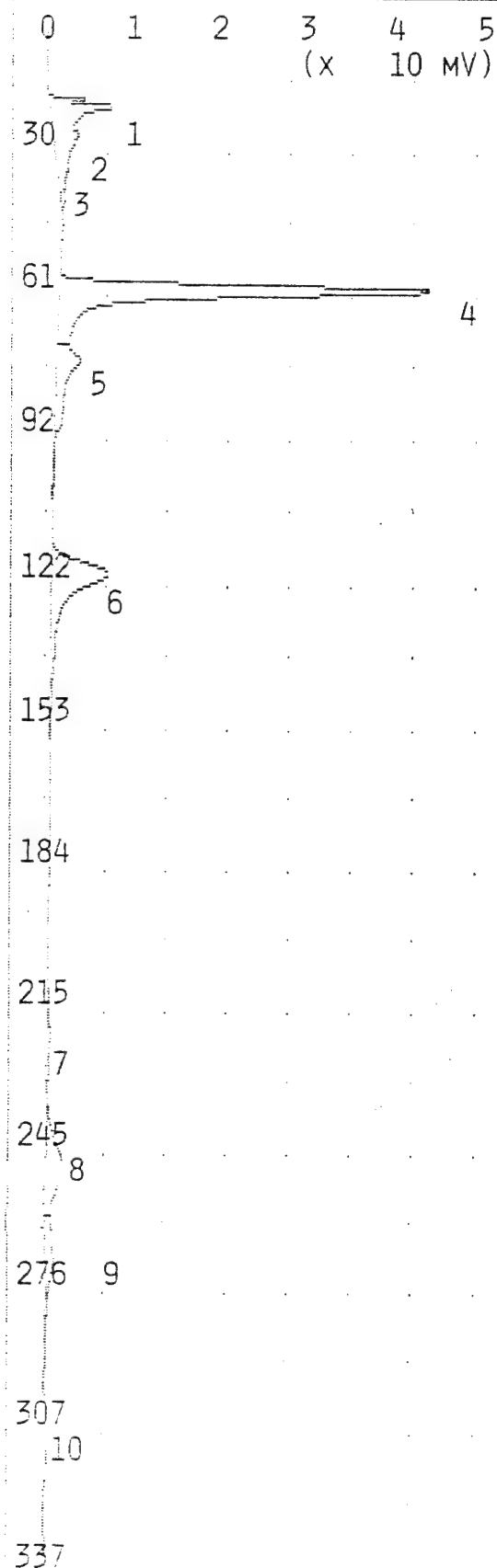
## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T. |
|----|---------------|-----------|------|
| 1  | UNKNOWN       | 3.401 MVS | 17.3 |
| 2  | UNKNOWN       | 29.46 MVS | 19.0 |
| 3  | UNKNOWN       | 1.253 MVS | 25.2 |
| 4  | UNKNOWN       | 0.051 MVS | 43.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG'S  
AIR BLANK

## ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 18,94 09:29

SAMPLE TIME: NOV 18,94 09:21

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 23 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

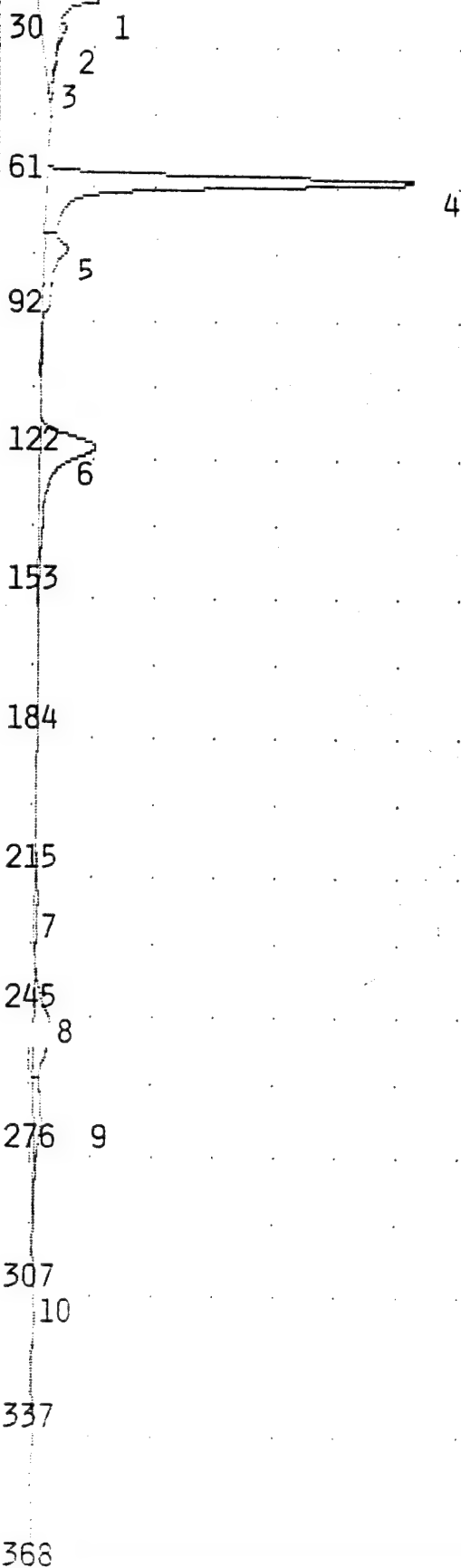
| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 51.42 MVS | 18.3  |
| 2  | UNKNOWN       | 2.364 MVS | 24.2  |
| 3  | UNKNOWN       | 0.168 MVS | 32.3  |
| 4  | UNKNOWN       | 146.5 MVS | 58.1  |
| 5  | UNKNOWN       | 24.34 MVS | 73.3  |
| 6  | UNKNOWN       | 52.00 MVS | 118.1 |
| 7  | UNKNOWN       | 3.488 MVS | 217.6 |
| 8  | UNKNOWN       | 24.34 MVS | 246.4 |
| 9  | UNKNOWN       | 14.19 MVS | 264.2 |
| 10 | UNKNOWN       | 2.441 MVS | 309.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGUS  
100 PPB BTEX

ANALYSIS #1 10S+ GC FUNCTION ANALYSIS REPORT

0 1 2 3 4 5  
(x 10 MV)



TIME PRINTED: NOV 18,94 09:45

SAMPLE TIME: NOV 18,94 09:21

METHOD

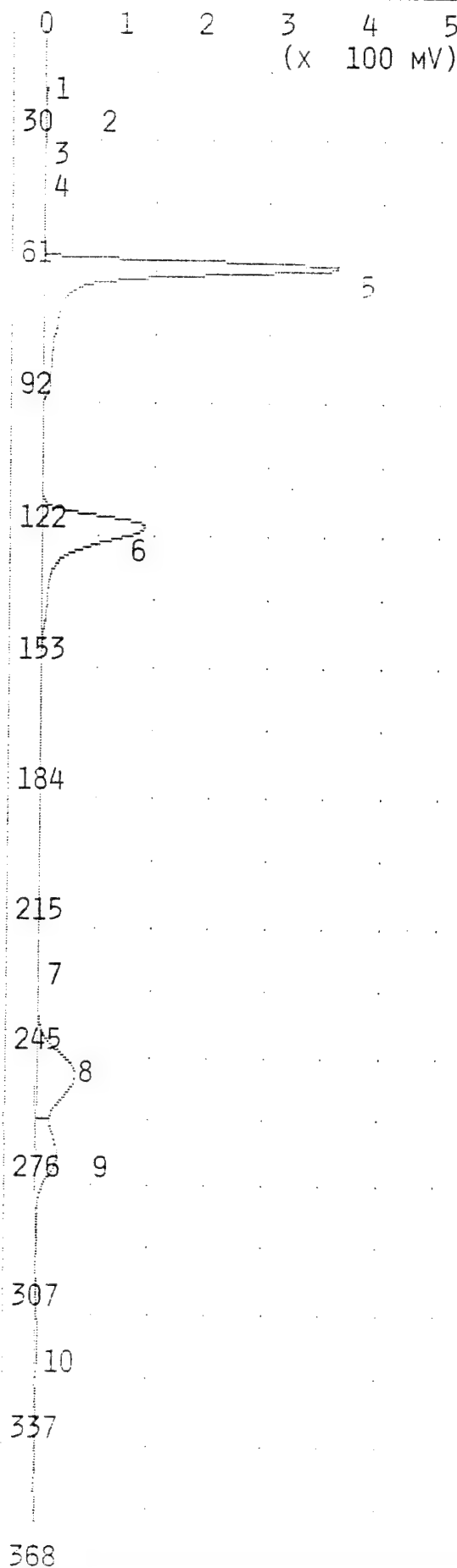
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 24 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 51.42 MVS | 18.3  |
| 2  | UNKNOWN       | 2.364 MVS | 24.2  |
| 3  | UNKNOWN       | 0.168 MVS | 32.3  |
| 4  | BENZENE       | 100.0 PPB | 58.1  |
| 5  | UNKNOWN       | 24.34 MVS | 73.3  |
| 6  | TOLUENE       | 100.0 PPB | 118.1 |
| 7  | UNKNOWN       | 3.488 MVS | 217.6 |
| 8  | ETHYLBENZENE  | 100.0 PPB | 246.4 |
| 9  | MP-XYLENE     | 200.0 PPB | 264.2 |
| 10 | O-XYLENE      | 100.0 PPB | 309.6 |

NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
100 PPB BTEX



TIME PRINTED: Nov 18,94 09:57

SAMPLE TIME: Nov 18,94 09:50

## METHOD

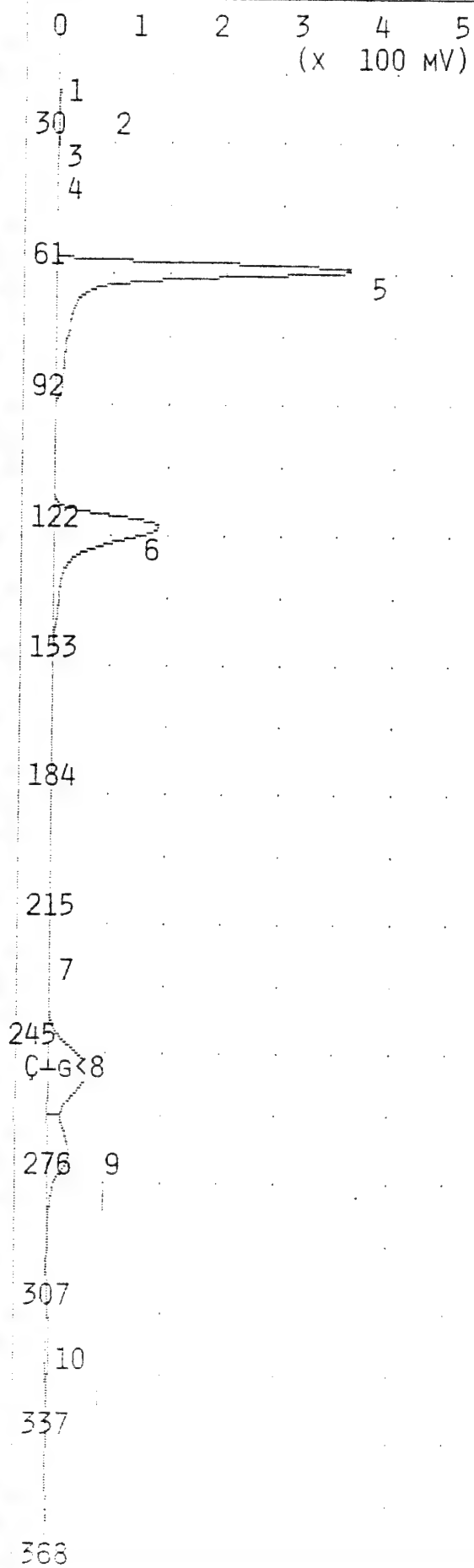
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 24 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.502 MVS | 16.9  |
| 2  | UNKNOWN       | 11.92 MVS | 18.4  |
| 3  | UNKNOWN       | 9.629 MVS | 24.4  |
| 4  | UNKNOWN       | 1.686 MVS | 32.4  |
| 5  | BENZENE       | 1.246 PPM | 58.8  |
| 6  | TOLUENE       | 2.099 PPM | 118.6 |
| 7  | UNKNOWN       | 0.878 MVS | 217.8 |
| 8  | ETHYLBENZENE  | 2.663 PPM | 248.0 |
| 9  | MP-XYLENE     | 5.257 PPM | 266.4 |
| 10 | O-XYLENE      | 3.714 PPM | 313.0 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
1 PPM BTEX



TIME PRINTED: Nov 18,94 10:01

SAMPLE TIME: Nov 18,94 09:50

## METHOD

SLOPE UP 0.500 MV/SEC  
 SLOPE DOWN 1.500 MV/SEC  
 MIN AREA 0.000 MVSEC  
 MIN HEIGHT 0.000 MV  
 ANALYSIS DELAY 0.0 SEC  
 WINDOW PERCENT 10.0 %  
 DET FLOW 13 ML/MIN  
 B/F FLOW 13 ML/MIN  
 AUX FLOW 0 ML/MIN  
 OVEN TEMP 40 C  
 AMB TEMP 25 C  
 MAX GAIN 1000  
 ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.502 MVS | 16.9  |
| 2  | UNKNOWN       | 11.92 MVS | 18.4  |
| 3  | UNKNOWN       | 9.629 MVS | 24.4  |
| 4  | UNKNOWN       | 1.686 MVS | 32.4  |
| 5  | BENZENE       | 1.000 PPM | 58.8  |
| 6  | TOLUENE       | 1.000 PPM | 118.6 |
| 7  | UNKNOWN       | 0.878 MVS | 217.8 |
| 8  | ETHYLBENZENE  | 1.000 PPM | 248.0 |
| 9  | MP-XYLENE     | 2.000 PPM | 266.4 |
| 10 | O-XYLENE      | 1.000 PPM | 313.0 |

## NOTES

JOE BYRD, JR.  
 COOS BAY ANG  
 1 PPM BTEX

0 2 4 6 8 10  
(x 100 MV)

TIME PRINTED: NOV 18,94 10:12

SAMPLE TIME: NOV 18,94 10:05

## METHOD

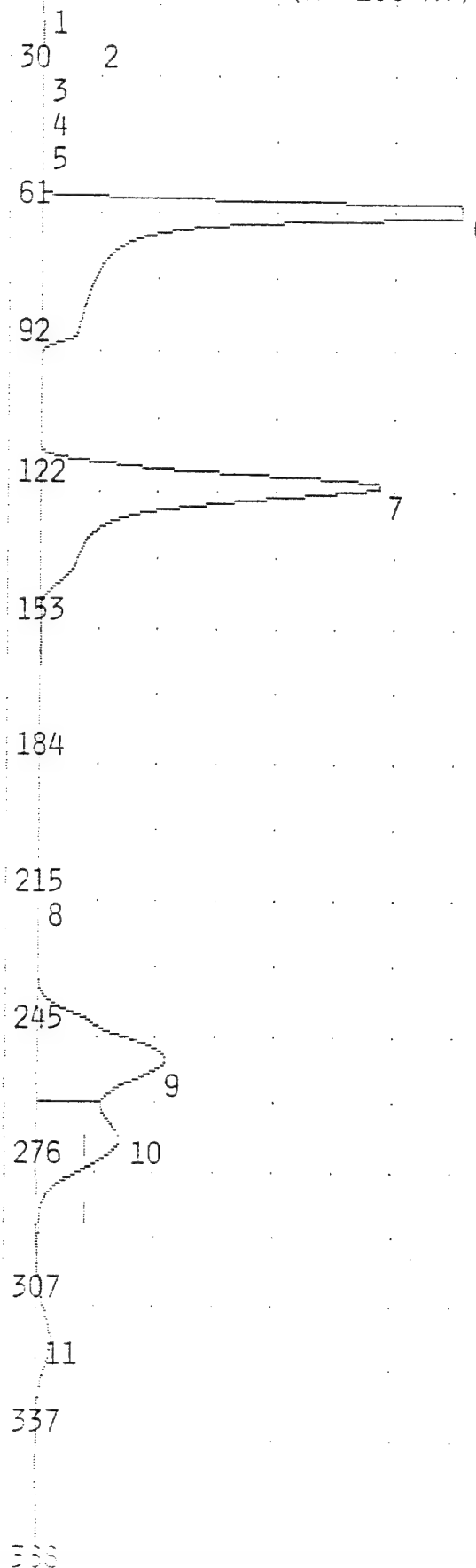
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.410 MVS | 16.8  |
| 2  | UNKNOWN       | 65.21 MVS | 18.4  |
| 3  | UNKNOWN       | 0.594 MVS | 24.2  |
| 4  | UNKNOWN       | 0.153 MVS | 32.6  |
| 5  | UNKNOWN       | 0.863 MVS | 43.7  |
| 6  | BENZENE       | 6.358 PPM | 59.1  |
| 7  | TOLUENE       | 6.922 PPM | 119.6 |
| 8  | UNKNOWN       | 2.261 MVS | 214.6 |
| 9  | ETHYLBENZENE  | 6.773 PPM | 248.5 |
| 10 | MP-XYLENE     | 15.10 PPM | 266.6 |
| 11 | O-XYLENE      | 6.549 PPM | 312.5 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX





TIME PRINTED: NOV 18,94 10:17

SAMPLE TIME: NOV 18,94 10:05

## METHOD

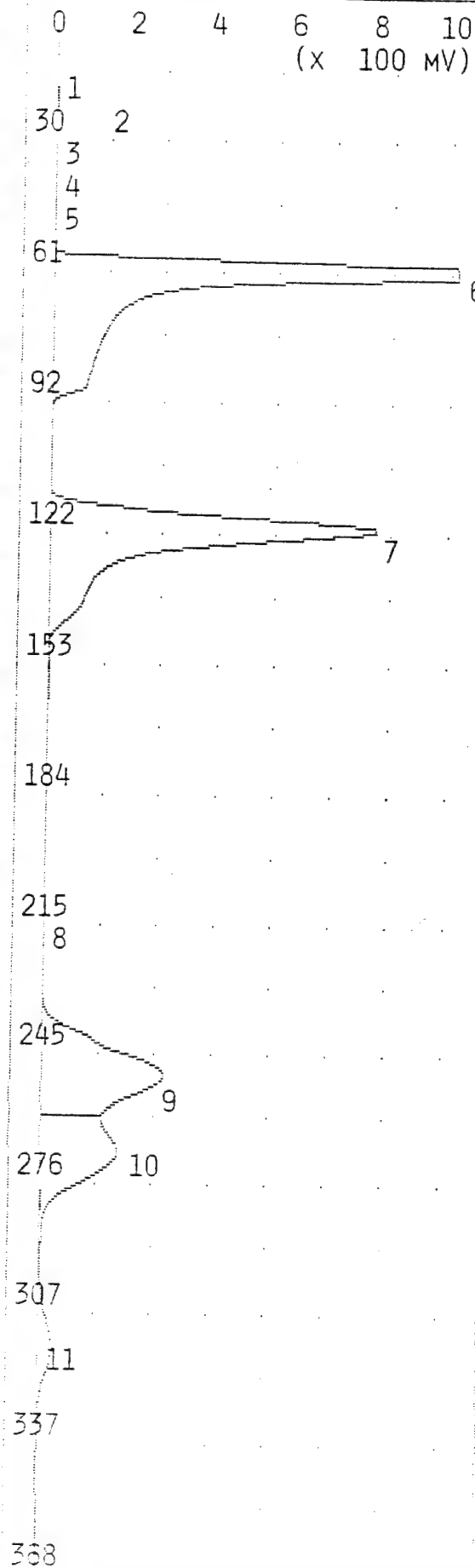
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 25 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 4.410 MVS | 16.8  |
| 2  | UNKNOWN       | 65.30 MVS | 18.4  |
| 3  | UNKNOWN       | 0.594 MVS | 24.2  |
| 4  | UNKNOWN       | 0.153 MVS | 32.6  |
| 5  | UNKNOWN       | 0.863 MVS | 43.7  |
| 6  | BENZENE       | 10.00 PPM | 59.1  |
| 7  | TOLUENE       | 10.00 PPM | 119.6 |
| 8  | UNKNOWN       | 2.261 MVS | 214.6 |
| 9  | ETHYLBENZENE  | 10.00 PPM | 248.5 |
| 10 | MP-XYLENE     | 20.00 PPM | 266.6 |
| 11 | O-XYLENE      | 10.03 PPM | 312.5 |

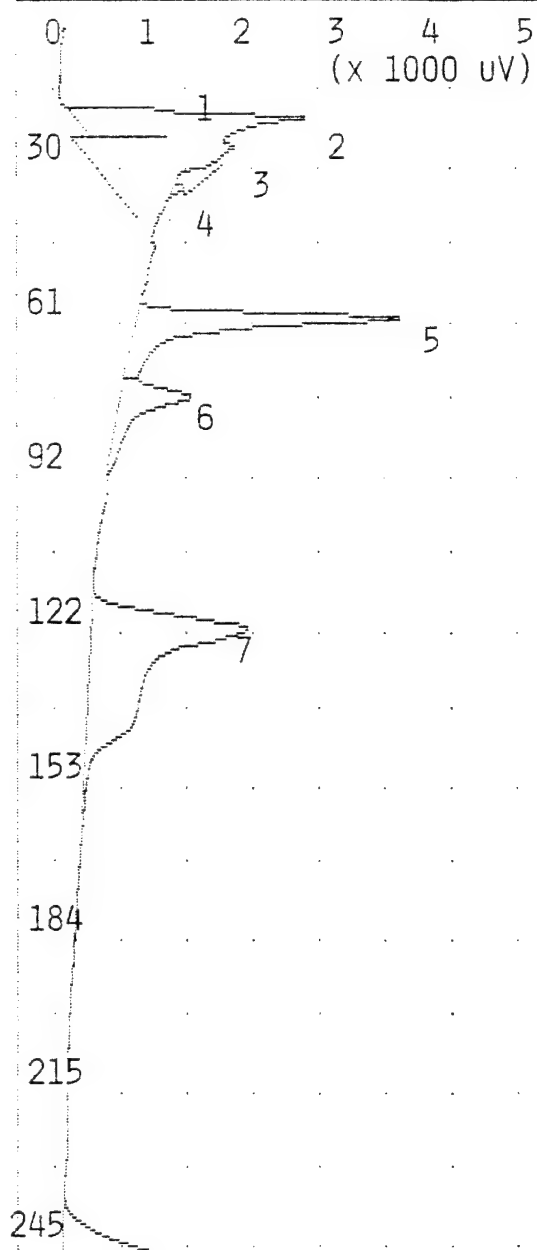
## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
10 PPM BTEX



## ANALYSIS #4

## 10S+ GC FUNCTION ANALYSIS REPORT



TIME PRINTED: NOV 18,94 10:27

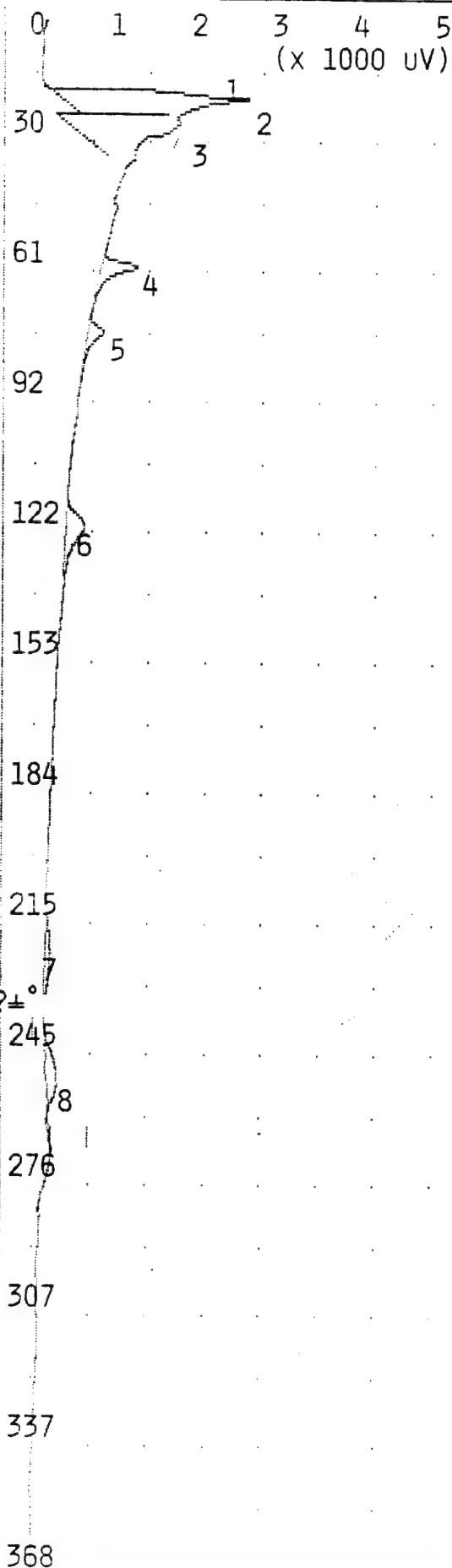
SAMPLE TIME: NOV 18,94 10:20

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.172 MVS | 17.0  |
| 2  | UNKNOWN       | 19.51 MVS | 18.4  |
| 3  | UNKNOWN       | 0.990 MVS | 24.3  |
| 4  | UNKNOWN       | 0.176 MVS | 32.4  |
| 5  | BENZENE       | 7.479 PPB | 58.5  |
| 6  | UNKNOWN       | 4.405 MVS | 74.0  |
| 7  | TOLUENE       | 41.48 PPB | 119.8 |
| 8  | ETHYLBENZENE  | 95.31 PPB | 250.1 |
| 9  | MP-XYLENE     | 207.6 PPB | 267.7 |
| 10 | O-XYLENE      | 97.20 PPB | 313.3 |



TIME PRINTED: NOV 18,94 10:38

SAMPLE TIME: NOV 18,94 10:31

## METHOD

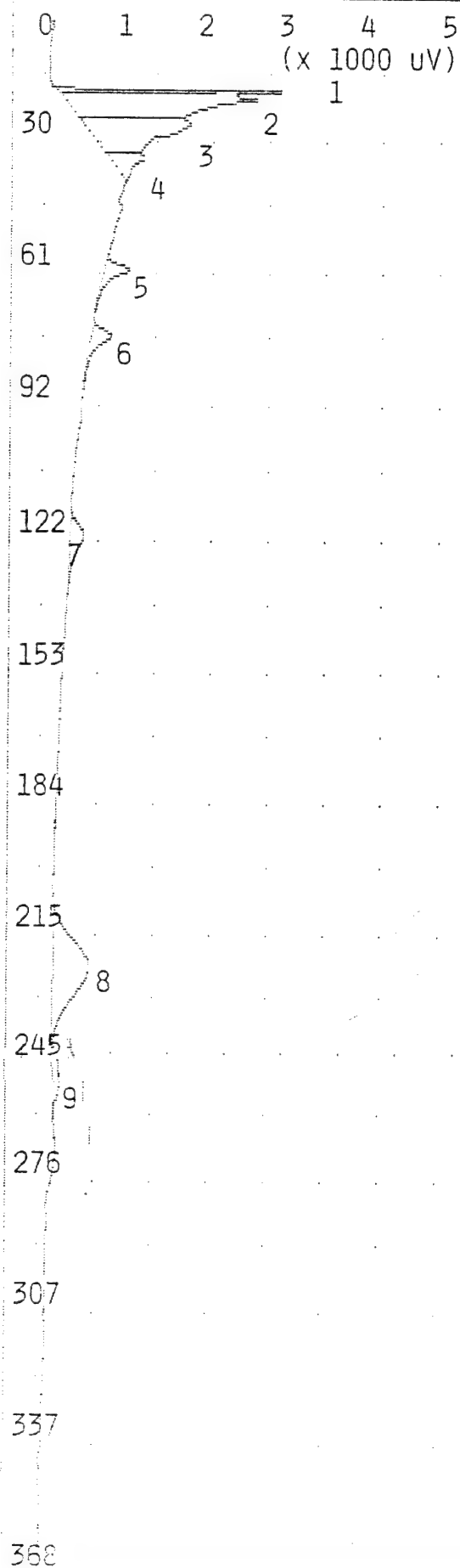
|                |       |        |
|----------------|-------|--------|
| SLOPE UP       | 0.500 | MV/SEC |
| SLOPE DOWN     | 1.500 | MV/SEC |
| MIN AREA       | 0.000 | MVSEC  |
| MIN HEIGHT     | 0.000 | MV     |
| ANALYSIS DELAY | 0.0   | SEC    |
| WINDOW PERCENT | 10.0  | %      |
| DET FLOW       | 13    | ML/MIN |
| B/F FLOW       | 13    | ML/MIN |
| AUX FLOW       | 0     | ML/MIN |
| OVEN TEMP      | 40    | C      |
| AMB TEMP       | 26    | C      |
| MAX GAIN       | 1000  |        |
| ANALYSIS TIME  | 430.0 | SEC    |

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 1.858 MVS | 17.0  |
| 2  | UNKNOWN       | 14.12 MVS | 18.6  |
| 3  | UNKNOWN       | 0.082 MVS | 24.2  |
| 4  | BENZENE       | 1.077 PPB | 58.6  |
| 5  | UNKNOWN       | 0.811 MVS | 74.0  |
| 6  | TOLUENE       | 3.094 PPB | 119.4 |
| 7  | UNKNOWN       | 0.729 MVS | 219.4 |
| 8  | ETHYLBENZENE  | 6.210 PPB | 248.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANGCS  
SF-001BH 1.0-2.0



TIME PRINTED: NOV 18,94 10:49

SAMPLE TIME: NOV 18,94 10:42

## METHOD

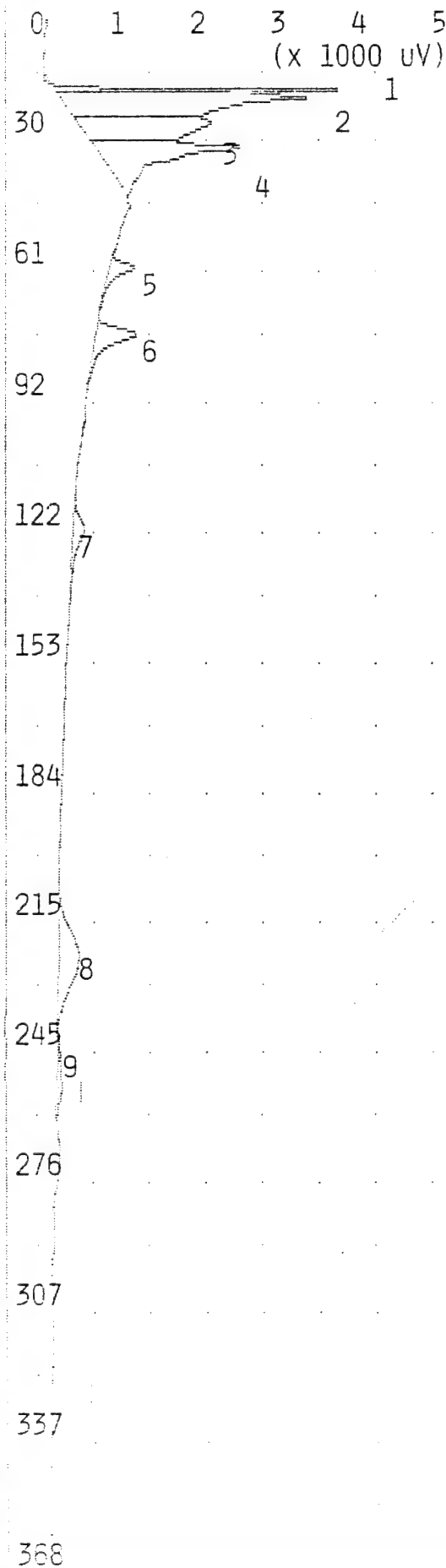
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 26 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.240 MVS | 16.8  |
| 2  | UNKNOWN       | 10.34 MVS | 18.5  |
| 3  | UNKNOWN       | 7.345 MVS | 24.4  |
| 4  | UNKNOWN       | 1.348 MVS | 32.6  |
| 5  | BENZENE       | 0.716 PPB | 58.5  |
| 6  | UNKNOWN       | 0.935 MVS | 74.2  |
| 7  | TOLUENE       | 2.200 PPB | 119.4 |
| 8  | UNKNOWN       | 6.889 MVS | 220.4 |
| 9  | ETHYLBENZENE  | 3.492 PPB | 249.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
SF-003BH 5.5-6.5



TIME PRINTED: NOV 18,94 10:59

SAMPLE TIME: NOV 18,94 10:52

## METHOD

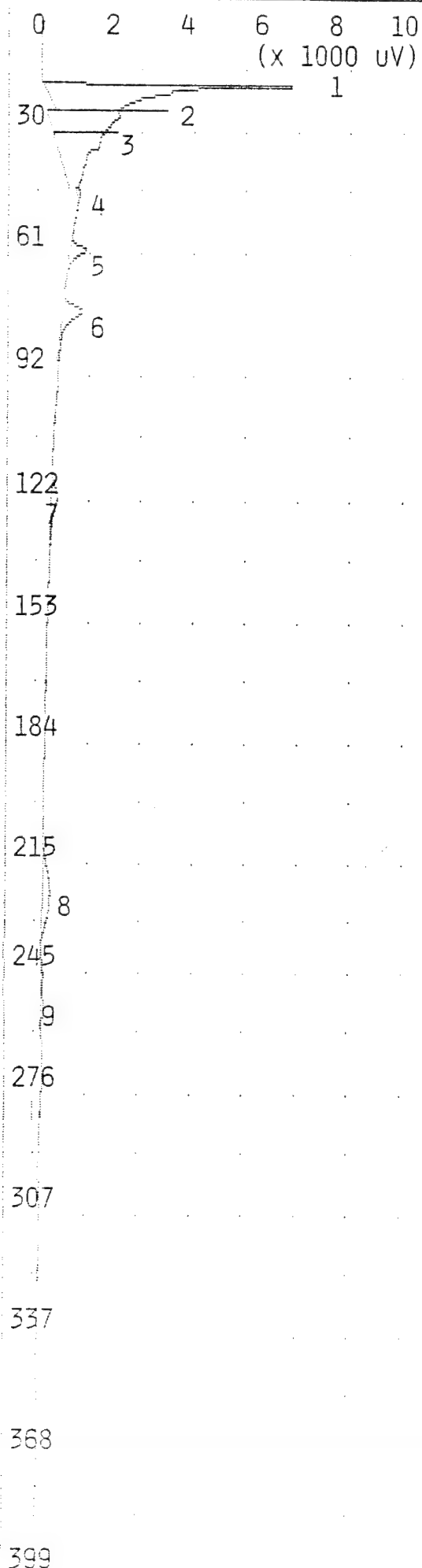
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 3.946 MVS | 16.8  |
| 2  | UNKNOWN       | 12.63 MVS | 18.4  |
| 3  | UNKNOWN       | 8.302 MVS | 24.2  |
| 4  | UNKNOWN       | 8.046 MVS | 30.5  |
| 5  | BENZENE       | 0.717 PPB | 58.8  |
| 6  | UNKNOWN       | 2.162 MVS | 74.2  |
| 7  | TOLUENE       | 1.758 PPB | 119.2 |
| 8  | UNKNOWN       | 3.949 MVS | 220.4 |
| 9  | ETHYLBENZENE  | 1.866 PPB | 248.2 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
TS-002BH 8.0-9.0



TIME PRINTED: NOV 18,94 11:10

SAMPLE TIME: NOV 18,94 11:03

## METHOD

SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 7.949 MVS | 16.8  |
| 2  | UNKNOWN       | 14.11 MVS | 18.4  |
| 3  | UNKNOWN       | 16.48 MVS | 24.3  |
| 4  | UNKNOWN       | 0.224 MVS | 44.0  |
| 5  | BENZENE       | 0.923 PPB | 58.7  |
| 6  | UNKNOWN       | 2.042 MVS | 74.1  |
| 7  | TOLUENE       | 2.072 PPB | 120.0 |
| 8  | UNKNOWN       | 2.848 MVS | 220.2 |
| 9  | ETHYLBENZENE  | 2.004 PPB | 248.8 |

## NOTES

JOE BYRD, JR.  
COOS BAY ANG  
A40-003BH 1.0-2.0

TIME PRINTED: Nov 18,94 11:20

SAMPLE TIME: Nov 18,94 11:13

## METHOD

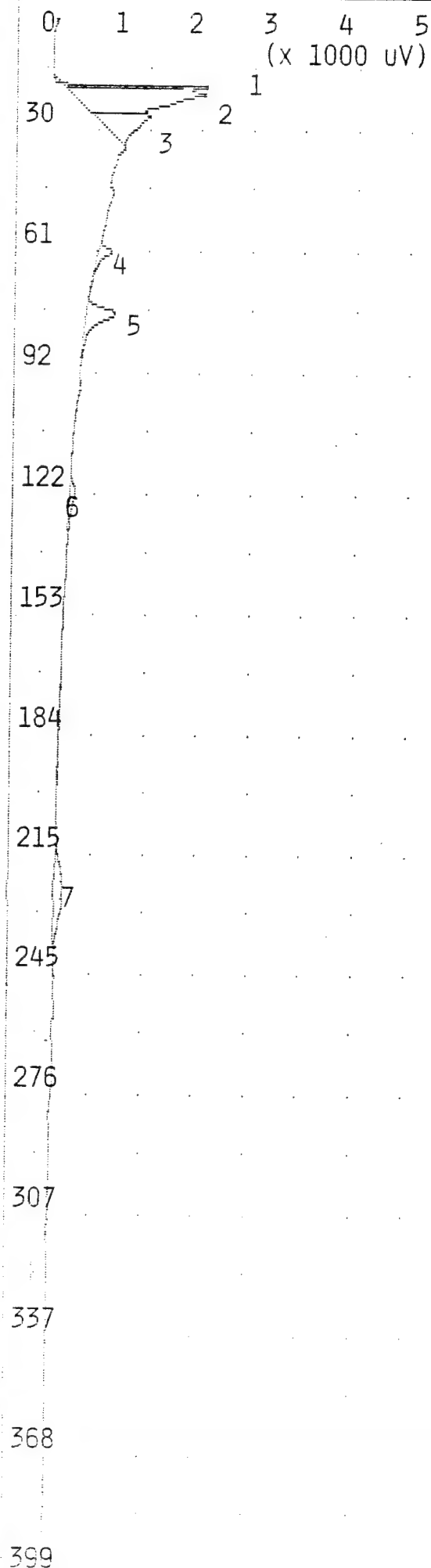
SLOPE UP 0.500 MV/SEC  
SLOPE DOWN 1.500 MV/SEC  
MIN AREA 0.000 MVSEC  
MIN HEIGHT 0.000 MV  
ANALYSIS DELAY 0.0 SEC  
WINDOW PERCENT 10.0 %  
DET FLOW 13 ML/MIN  
B/F FLOW 13 ML/MIN  
AUX FLOW 0 ML/MIN  
OVEN TEMP 40 C  
AMB TEMP 27 C  
MAX GAIN 1000  
ANALYSIS TIME 430.0 SEC

## PEAK REPORT

| PK | COMPOUND NAME | AREA/CONC | R.T.  |
|----|---------------|-----------|-------|
| 1  | UNKNOWN       | 2.343 MVS | 17.4  |
| 2  | UNKNOWN       | 7.888 MVS | 19.1  |
| 3  | UNKNOWN       | 3.296 MVS | 25.2  |
| 4  | BENZENE       | 0.416 PPB | 59.4  |
| 5  | UNKNOWN       | 1.704 MVS | 75.2  |
| 6  | TOLUENE       | 0.804 PPB | 121.2 |
| 7  | UNKNOWN       | 1.615 MVS | 221.6 |

## NOTES

JOE BYRD, JR.  
COOS BAY AN S  
SF-002BH 5.0-6.0



## **APPENDIX D**

### **PIEZOMETER CONSTRUCTION DIAGRAMS**



Project: COOS BAY PA/SI

Town/City: CHARLESTON, OREGON

County: COOS State: OREGON

TOC Elev: 150.00 FT.

Ground Elev.: 148.23 FT.

Water Level: 40.54 FT. FROM TOC

Total Well Depth: 39.5 FT.

Date Installed: 11/14/94

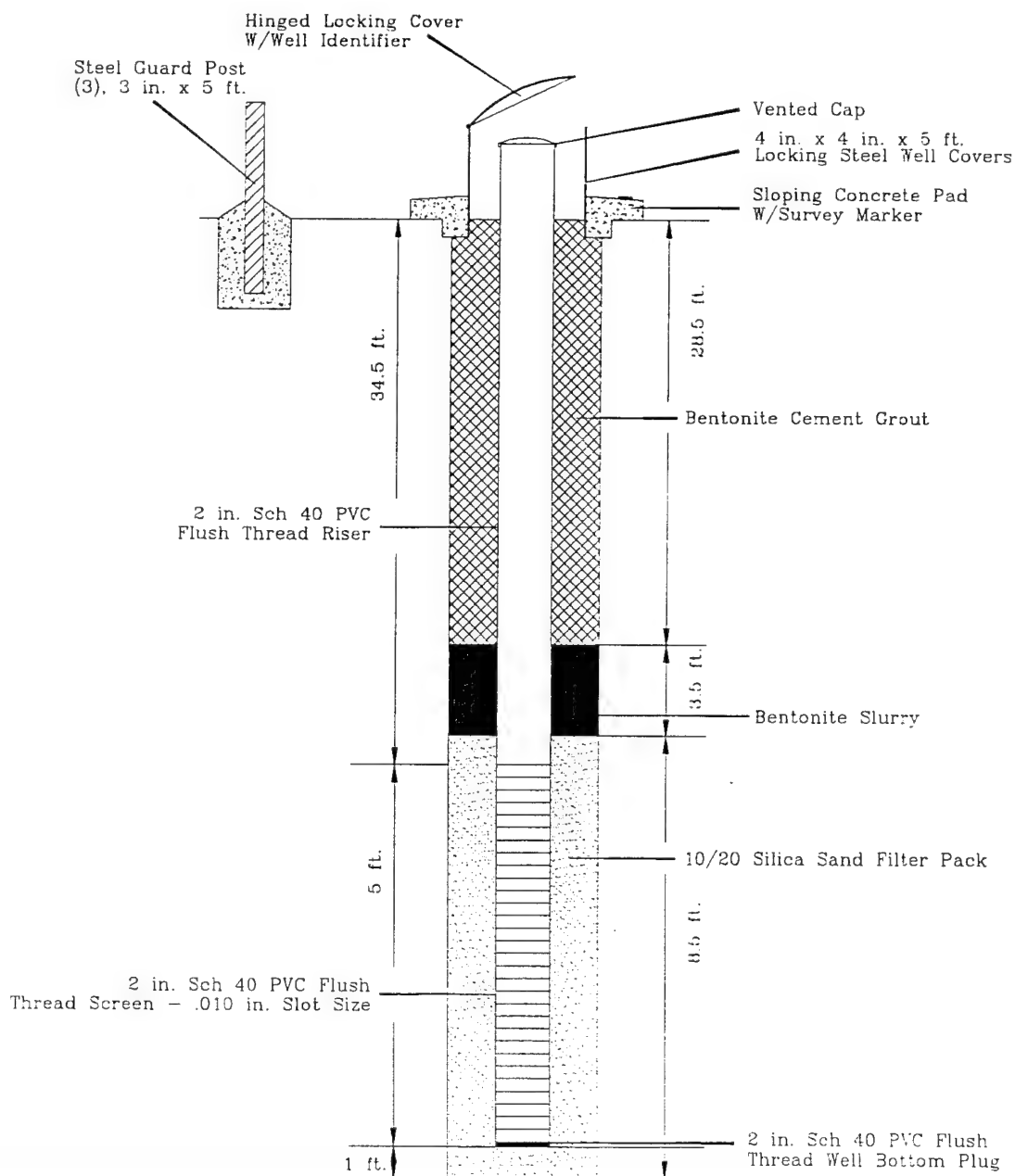
Drilling Contractor: CASCADE DRILLING

Drilling Method: HOLLOW-STEM AUGER

Borehole Diameter: 9 INCHES

Development Technique: BAILER

Not To Scale



PIEZOMETER CONSTRUCTION LOG  
WELL NO. CB-001PZ

CPTech  
OPERATIONAL TECHNOLOGIES  
CORPORATION

JANUARY 1995

COOS/MONLOG

Project: COOS BAY PA/SI

Town/City: CHARLESTON, OREGON

County: COOS State: OREGON

TOC Elev: 131.21 FT.

Ground Elev.: 129.48 FT.

Water Level: 27.23 FT. FROM TOC

Total Well Depth: 34.0 FT.

Date Installed: 11/14/94

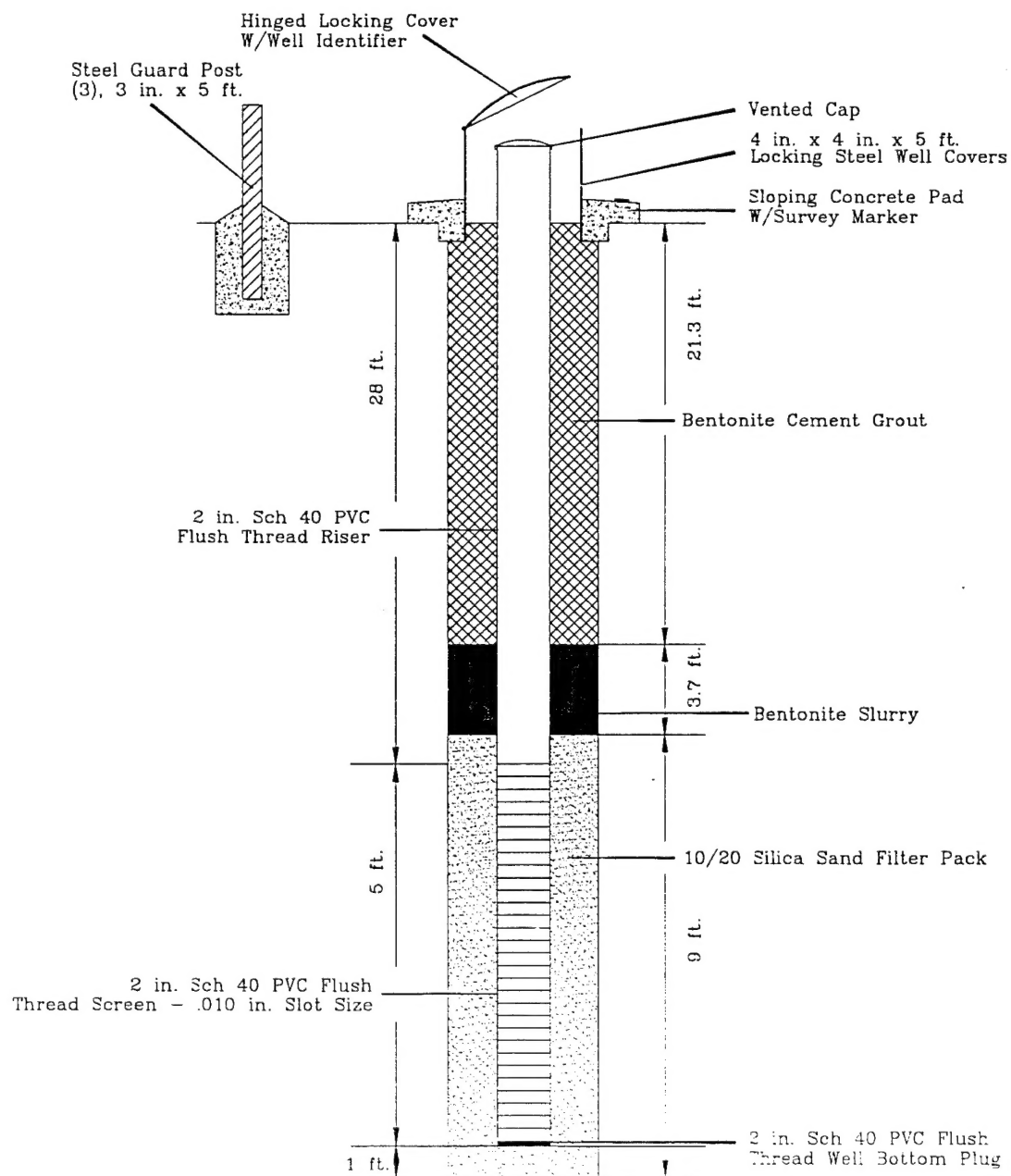
Drilling Contractor: CASCADE DRILLING

Drilling Method: HOLLOW-STEM AUGER

Borehole Diameter: 9 INCHES

Development Technique: BAILER

Not To Scale



PIEZOMETER CONSTRUCTION LOG  
WELL NO. CB-002PZ

OPTTECH  
OPERATIONAL TECHNOLOGIES  
CORPORATION

JANUARY 1995

COOS/MONLOG2

Project: COOS BAY PA/SI

Town/City: CHARLESTON, OREGON

County: COOS State: OREGON

TOC Elev: 105.63 FT.

Ground Elev.: 103.34 FT.

Water Level: 19.22 FT. FROM TOC

Total Well Depth: 28 FT.

Date Installed: 11/11/94

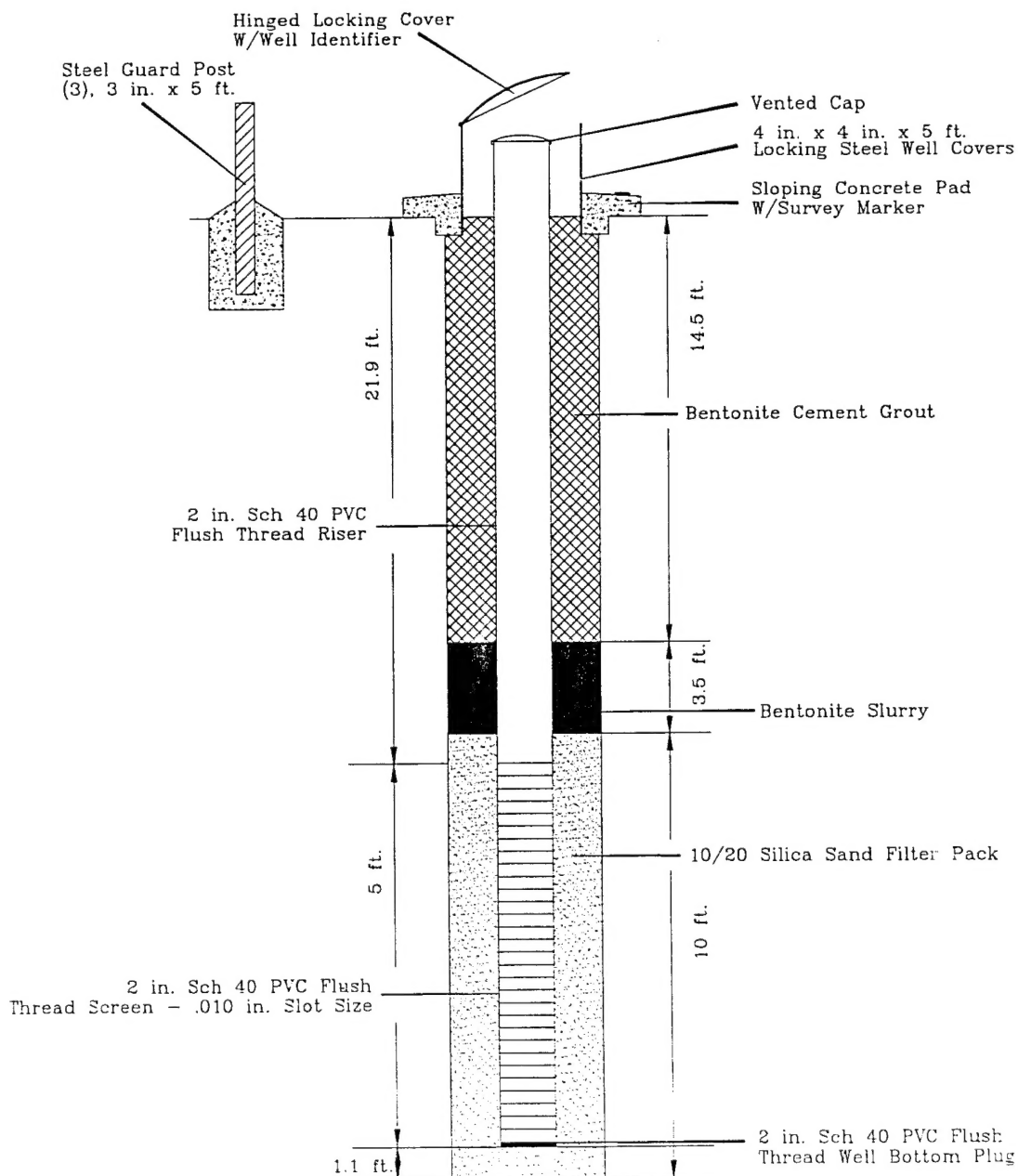
Drilling Contractor: CASCADE DRILLING

Drilling Method: HOLLOW-STEM AUGER

Borehole Diameter: 9 INCHES

Development Technique: BAILER

Not To Scale



PIEZOMETER CONSTRUCTION LOG  
WELL NO. CB-003PZ

OPTTECH  
OPERATIONAL TECHNOLOGIES  
CORPORATION

JANUARY 1995

COCS/MONLOG3

Project: COOS BAY PA/SI

Town/City: CHARLESTON, OREGON

County: COOS State: OREGON

TOC Elev: 97.15 FT.

Ground Elev.: 95.59 FT.

Water Level: 69.01 FT. FROM TOC

Total Well Depth: 84.5 FT.

Date Installed: 11/12/94

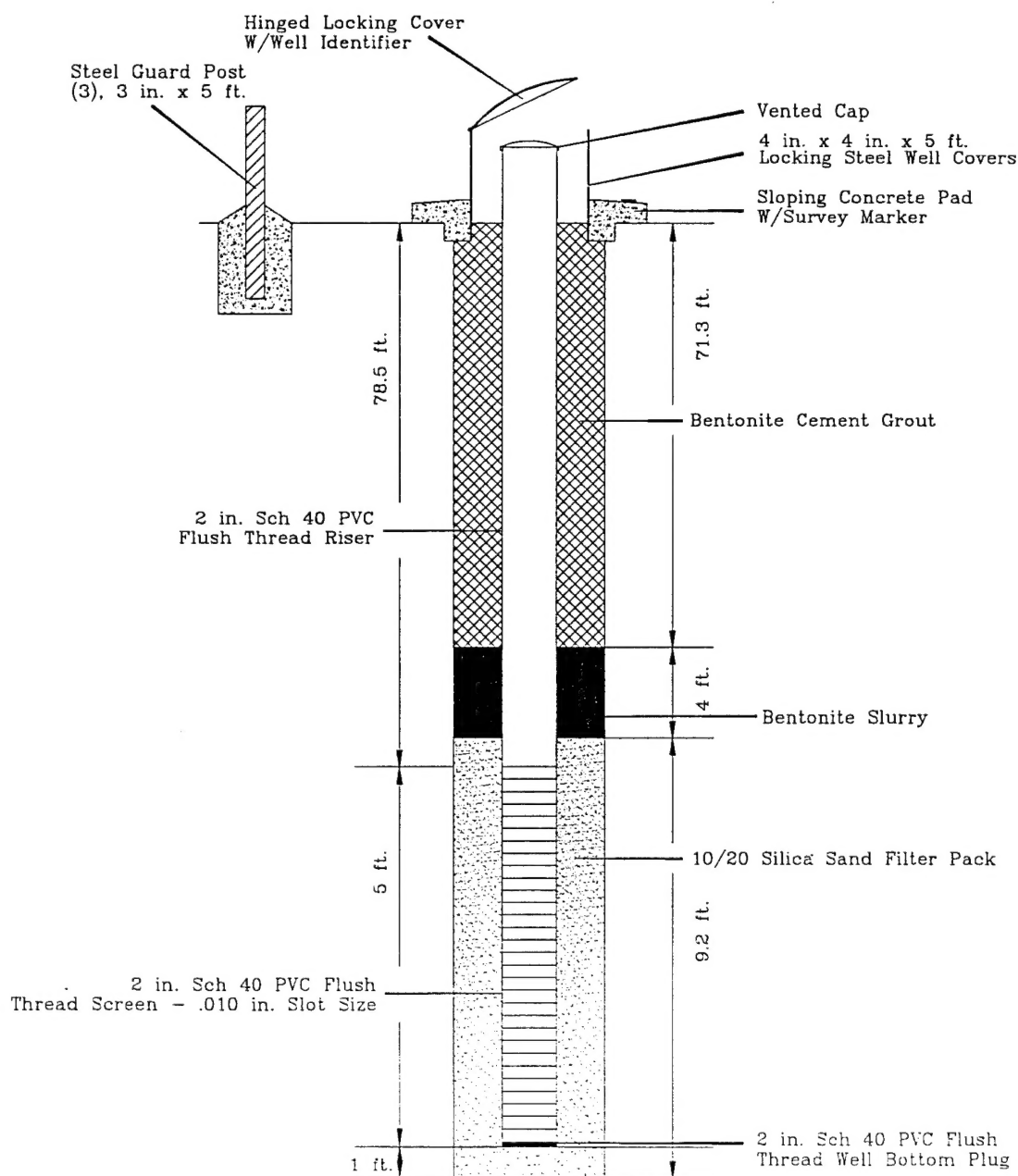
Drilling Contractor: CASCADE DRILLING

Drilling Method: HOLLOW-STEM AUGER

Borehole Diameter: 9 INCHES

Development Technique: BAILER

Not To Scale



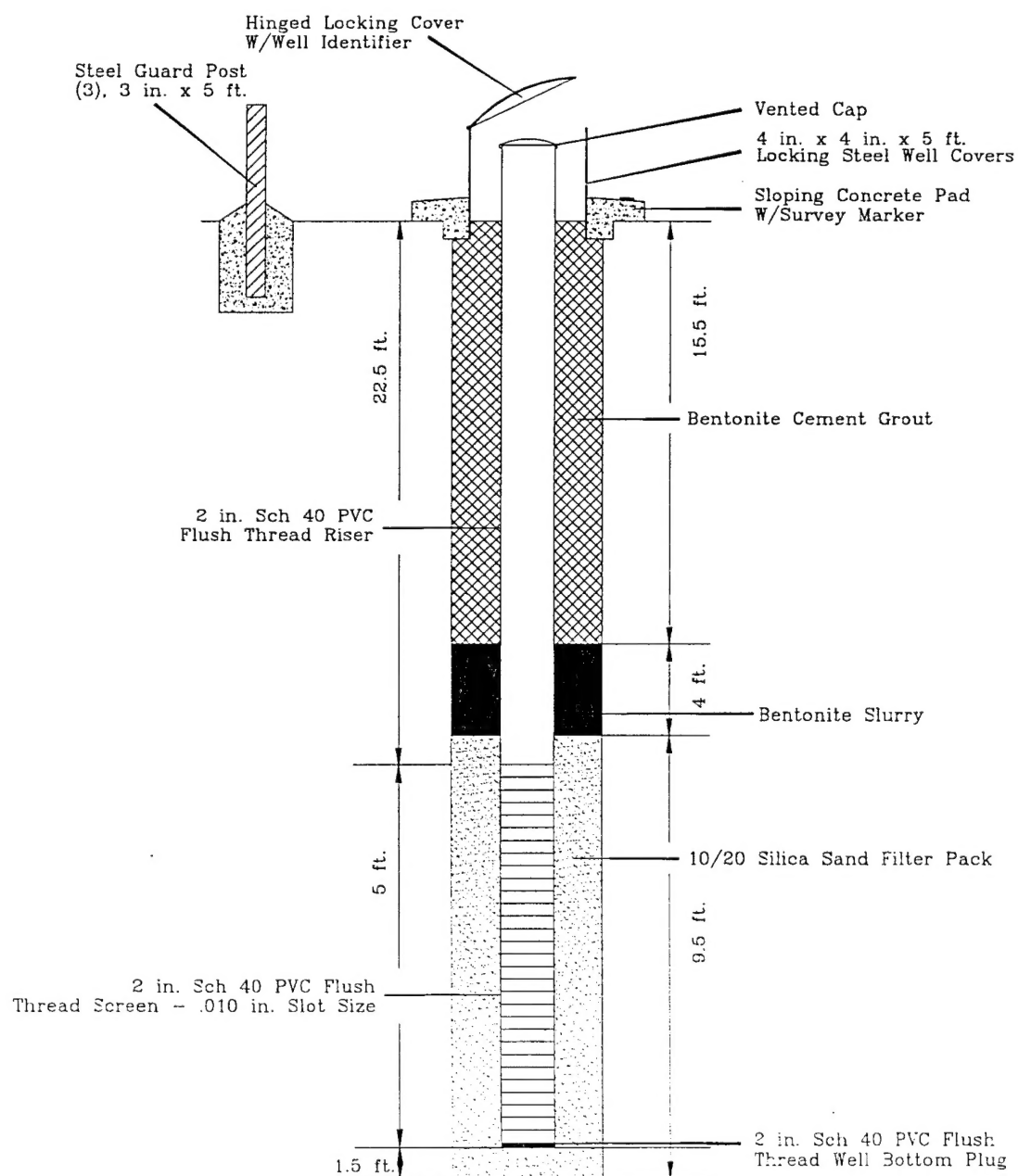
PIEZOMETER CONSTRUCTION LOG  
WELL NO. CB-004PZ

OPTECH  
OPERATIONAL TECHNOLOGIES  
CORPORATION

JANUARY 1995

COOS/MONLOG4

|                   |                    |                        |                   |
|-------------------|--------------------|------------------------|-------------------|
| Project:          | COOS BAY PA/SI     | Date Installed:        | 11/15/94          |
| Town/City:        | CHARLESTON, OREGON | Drilling Contractor:   | CASCADE DRILLING  |
| County:           | COOS State: OREGON | Drilling Method:       | HOLLOW-STEM AUGER |
| TOC Elev:         | 110.59 FT.         | Borehole Diameter:     | 9 INCHES          |
| Ground Elev.:     | 110.92 FT.         | Development Technique: | BAILER            |
| Water Level:      | 18.18 FT. FROM TOC |                        |                   |
| Total Well Depth: | 29 FT.             |                        | Not To Scale      |



PIEZOMETER CONSTRUCTION LOG  
WELL NO. CB-005PZ

OPTECH  
OPERATIONAL TECHNOLOGIES  
CORPORATION

JANUARY 1995

COOS/MON/005